OFFICE OF THE

ARIZONA STATE TREASURER

JEFF DEWIT
TREASURER

JULY 2017

Presented To:

Arizona State Board of Investment

August 29th, 2017

STATE BOARD OF INVESTMENT

A G E N D A

July 27, 2017

1. Call to Order
2. Chairman Remarks
3. Approval of June 27, 2017 Minutes
4. Review of Treasurer's Monthly Reports
    A. Earnings Distribution; Investment Pools
    B. Operating Monies Invested Balances
    C. State Agency Pools Investments and Performance Reports
    D. LGIP Pools Investments and Performance Reports
    E. Earnings Distributed Endowment Funds
    F. Land Sales Monthly Proceeds Endowment Funds
    G. Endowment Investments and Performance Reports
    H. Broker Activity Report
5. Proposed Changes to the Investment Policy
    A. Review of Proposed Changes
    B. Public Comment on Proposed Changes
    C. Discussion and Action on Proposed Changes
6. Review and Approval of Proposed/Pending Securities Dealers
7. General Business
8. Call to the Public
9. Notice of Next Meeting
10. Adjournment

REPORT OF THE STATE TREASURER

FOR

July 27, 2017

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Minutes of
BOARD OF INVESTMENT MEETING

The regular meeting of the State Board of Investment was held on June 27, 2017 in the Office of the State Treasurer, 1700 West Washington, State Capitol, West Wing, Treasurer's Conference Room, Phoenix, Arizona. Treasurer DeWit called the meeting to order at approximately 1:35 p.m.

Members Present:

Jeff DeWit, Chair, State Treasurer
Harry A. Papp, CFA & Managing Partner, L. Roy Papp & Associate, Via-Teleconference
Beth Ford, Treasurer, Pima County
Robert Charlton, Superintendent, Arizona Department of Financial Institutions
Michael Smarik, Deputy State Comptroller, Arizona Department of Administration

Others Present:

Mark Swenson, Deputy Treasurer of Policy & Research, Arizona State Treasurer's Office
Lorraine Jones, Deputy Treasurer of Operations, Arizona State Treasurer's Office
Patty Humbert, Chief Investment Officer, Arizona State Treasurer's Office
Tim White, Senior Portfolio Manager, Arizona State Treasurer's Office
Dennis Stevenson, Portfolio Manager, Arizona State Treasurer's Office
Jake Richardson, Investment Analyst, Arizona State Treasurer's Office
Michael Leslein, Investment Accounting Manager, Arizona State Treasurer's Office
Patrick Quigley, Assistant Deputy Treasurer, Arizona State Treasurer's Office
Ken Price, Human Resource Manager, Arizona State Treasurer's Office

Pursuant to A.R.S. 35-311, the following reports for May, 2017 were submitted for the Board's approval:

Review of Treasurer's Monthly Reports:

Earnings Distribution; Investment Pools

Operating Monies Invested Balances

State Agency Pools Investments and Performance Reports

LGIP Pools Investments and Performance Reports

Earnings Distributed Endowment Funds

Land Sales Monthly Proceeds Endowment Funds

Endowment Investments and Performance Reports

1. **Call to Order:**
   Treasurer DeWit called the June 27, 2017 BOI meeting to order at approximately 1:35 p.m.

2. **Treasurers Comments:**
   Treasurer DeWit welcomed the board members and guests and thanked all present for attending the June 27, 2017 meeting.

3. **Approval of Minutes:**
   Mr. Papp made a motion to approve the revisions to the May 24, 2017 report. Ms. Ford seconded the motion. Motion carried.

   Ms. Ford made a motion to approve the May 24, 2017 minutes with revisions. Mr. Smarik seconded the motion. Motion carried.

4. **Review of Treasurer's Monthly Report**

Earnings Distribution – Investment Pools

Ms. Humbert reported the earnings distributed month-to-date, year-to-date, prior year-to-date, and investment management fees deposited in the General Fund for the month of May, 2017.

Operating Monies Average Invested Balance

Ms. Humbert reported the Operating Monies average invested balance for the month of May, 2017.

Review of Treasurer's Monthly Report – Agency Pools:

Ms. Humbert presented the monthly report for the Agency Pools portion of the Arizona State Treasurer's Office to the Board of Investment as follows:

State Agency Pools Portfolio Yield Analysis

Ms. Humbert reported the net yields for the State Agency Pools for the month of May, 2017.

Manager Allocation of Invested Monies for the State Agency Pools

Ms. Humbert reported the total market value of all of the State Agency Pools broken up to show the percent allocated to each individual State Agency Pool as of May 31, 2017.

Investments Outstanding in State Agency Pools

Ms. Humbert reported the total net assets, asset allocation, the weighted average life, the weighted average duration and the weighted average rating for the State Agency Investment Pools as of May 31, 2017.

Review of Treasurer's Monthly Report – LGIP Investment Pools:

Mr. Stevenson presented the monthly report for the LGIP Investment Pools portion of the Arizona State Treasurer's Office to the Board of Investment as follows:

LGIP (Pool 5) & LGIP GOV (Pool 7) Portfolio Yield Analysis

Mr. Stevenson reported the net yield for the LGIP and LGIP-Gov Pools and the comparison to the benchmark for the month of May, 2017.

Pool 500 & Pool 700 Portfolio Yield Analysis

Mr. Stevenson reported the net yield for the LGIP Medium Term Pools and the comparison to the benchmark for the month of May, 2017.

Manager Allocation of Invested Monies for the LGIP Pools

Mr. Stevenson reported the total market value invested in all of the LGIP Pools as a percentage of the total that was allocated to each of the LGIP, LGIP-Gov, and LGIP Medium Term Pools as of May 31, 2017.

LGIP Pools Investments and Performance Reports

Mr. Stevenson reported the total net assets, asset allocation, the weighted average life, the weighted average duration, and the weighted average rating on the LGIP, LGIP-Gov, and LGIP Medium Term pools for the month of May, 2017.

Review of Treasurer's Monthly Report – Endowments:

Mr. White presented the endowment portion of the monthly report of the Arizona State Treasurer's Office to the Board of Investment as follows:

Earnings Distributed Endowment Funds

Mr. White reported the earnings distributed for the Endowment Funds for the month of May, 2017.

Net Realized Capital Gains/Losses – Endowment Funds

Mr. White reported the net realized capital gains for the Endowment Fixed Income, S&P 500, S&P 400 and S&P 600 pools for the month of May, 2017 and fiscal year to date.

Endowment Funds Fixed-Income Pool Purchases & Sales

Mr. White reported the purchases and sales of the Endowment Fixed Income Pool for the month of May, 2017.

Equity Funds Purchases & Sales

Mr. White reported the purchases and sales (summary) of the Endowment Equity Pools for the month of May, 2017.

Investments Outstanding in Endowment Funds

Mr. White reported the par, book, market value, and unrealized gains/loss of the Endowment Funds as of May 31, 2017.

Performance of Investments in Endowment Funds

Mr. White reported the performance of the Endowment Funds for the current month, the year to date, trailing one year, trailing three years, trailing five years, and since inception for the Endowment Funds as of May 31, 2017.

Manager Allocation of Invested Monies for the Endowment Pools

Mr. White reported the percentage of the total market value of all of the Endowment investments allocated to each of the Endowment Pools, as of May 31, 2017.

Equity Holdings Investments Outstanding S&P 500

Mr. White reported the investments outstanding by portfolio characteristics and industry sector for the S&P 500 Pool as of May 31, 2017.

Equity Holdings Investments Outstanding S&P 400

Mr. White reported the investments outstanding by portfolio characteristics and industry sector for the S&P 400 Pool as of May 31, 2017.

Equity Holdings Investments Outstanding S&P 600

Mr. White reported the investments outstanding by portfolio characteristics and industry sector for the S&P 600 Pool as of May 31, 2017.

Fixed Income Investments and Performance Reports

Mr. White reported the total net assets, asset allocation, the weighted average life, the weighted average duration and the weighted average rating for the Fixed Income Pool for the month of May, 2017.

Endowment Investments and Performance Growth by Account Reports

Mr. White reported the performance and growth for each of the Endowment Funds from the inception date of each fund through the end of May 31, 2017.

Approval of Treasurer's Report

Mr. Charlton made a motion to approve the Treasurer's Report. Mr. Smarik seconded the motion. Motion carried.

5. **Proposed Changes to Investment Policy:**
   There were no Proposed Changes to Investment Policy.

6. **Review and approval of Proposed/Pending Securities Dealers**
   There were no Proposed/Pending Securities Dealers.

7. **General Business:**
   There was no General Business.

8. **Call to the Public:**
   There was no Public comment.

   Mr. Papp provided the members of the board with a brief economic update.

9. **Notice of Next Meeting:**
   Treasurer DeWit advised the Board that the next regular meeting of the Board of Investment will be Thursday, July 27, 2017 at 1:30 p.m. at 1700 West Washington, State Capitol, West Wing, Treasurer's Conference Room, Phoenix, Arizona.

10. **Adjournment:**
    Mr. Smarik made a motion to adjourn the BOI meeting. Mr. Papp seconded the motion. Upon unanimous approval the BOI Meeting was adjourned at 2:23 p.m.

Respectfully Submitted by:

_____
Christine Thurston
Executive Consultant II

Approved by:

_____ _____
Jeff DeWit, Chair Date

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EARNINGS DISTRIBUTION - INVESTMENT POOLS
JULY 2017

Recipient	Earnings Distributed JULY 2017	Earnings Distributed Fiscal YTD 17/18	Earnings Distributed Fiscal YTD 16/17	Fiscal YTD Investment Management Fees Received
General Fund *	$1,692,516	$1,692,516	$1,515,974	
2 State Agencies - Full Faith & Credit	655,716	655,716	595,194	39,455
3 State Agencies - Diversified (Combined) **	1,110,239	1,110,239	673,574	69,448
4 State Agencies - Gov	702,773	702,773	475,469	42,030
5 LGIP	1,025,951	1,025,951	412,088	56,459
7 LGIP Gov	967,422	967,422	345,556	60,819
9A Public School Credit Enhancement ***	0	0	N/A	1,102
10 Restricted Operating	468,977	468,977	339,849	58,152
12 CAWCD Medium-Term	495,001	495,001	412,794	17,096
16 ECDH Medium-Term	531,783	531,783	484,415	18,247
Subtotal	**$7,650,377**	**$7,650,377**	**$5,254,913**	**$362,808**
NAV POOL				
500 LGIP - Med Term	444,434	444,434	275,415	15,098
700 LGIP - FF&C Med Term	161,418	161,418	130,150	6,813
Total	**$8,256,228**	**$8,256,228**	**$5,660,478**	**$384,719**
JULY 2016 TOTALS	**$5,660,478**			**$379,669**

* Note: Pool 15 AHCCCS Operating Earnings are reported in General Fund
** Note: Pool 15 AHCCCS Operating Management Fees are reported in Pool 3 State Agencies Diversified (Combined)
*** Note: 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 July 31, 2017
(in millions)

Month	Fiscal Year 2015/2016	Fiscal Year 2016/2017	Fiscal Year 2017/2018
JULY	$1,795	$2,012	$1,635
AUGUST	1,554	1,504	
SEPTEMBER	1,874	1,694	
OCTOBER	1,701	1,672	
NOVEMBER	1,686	1,633	
DECEMBER	1,734	1,693	
JANUARY	2,140	2,255	
FEBRUARY	2,295	2,306	
MARCH	2,092	1,968	
APRIL	2,407	1,961	
MAY	2,720	2,215	
JUNE	2,590	2,147	
Y-T-D Average	**$2,049**	**$1,922**	**$1,635**

Budget Stabilization Average Fund Balance - July 2017	**$449**
Total Average Cash Available - July 2017	**$2,084**

STATE AGENCY POOLS
PORTFOLIO EARNINGS ANALYSIS
JULY 2017

FUND	DESCRIPTION	Current Month 07/31/17	Prior Month 06/30/17	Prior Year 07/31/16	Net Asset Value Per Share
2	STATE AGENCIES - FULL FAITH & CREDIT	779,846	789,425	660,302	0.9733
3	STATE AGENCIES - DIVERSIFIED				
	INTERNAL MANAGERS	1,482,193	1,677,776	1,168,668	1.0353
	EXTERNAL MANAGERS	123,092	119,691	105,020	1.0003
	FUND 3 TOTAL	1,605,285	1,797,466	1,273,688	1.0328
4	STATE AGENCIES - GOV	853,608	939,275	649,636	0.9981
9A	PUBLIC SCHOOL CREDIT ENHANCEMENT	21,776	105,108	N/A	0.9733
10	RESTRICTED OPERATING				
	INTERNAL MANAGERS	1,100,178	1,063,321	853,306	1.0190
	EXTERNAL MANAGERS	197,360	187,650	139,140	0.8364
	FUND 10 TOTAL	1,297,538	1,250,971	992,446	0.9741
12	CAWCD MEDIUM-TERM	495,001	461,290	412,794	1.0019
15	AHCCCS OPERATING	48,192	20,201	9,683	N/A
16	ECDH MEDIUM-TERM	531,783	500,146	484,415	0.9994
	TOTAL STATE AGENCIES	5,633,030	5,863,883	4,482,964	

STATE AGENCY POOLS
PORTFOLIO YIELD ANALYSIS
JULY 2017

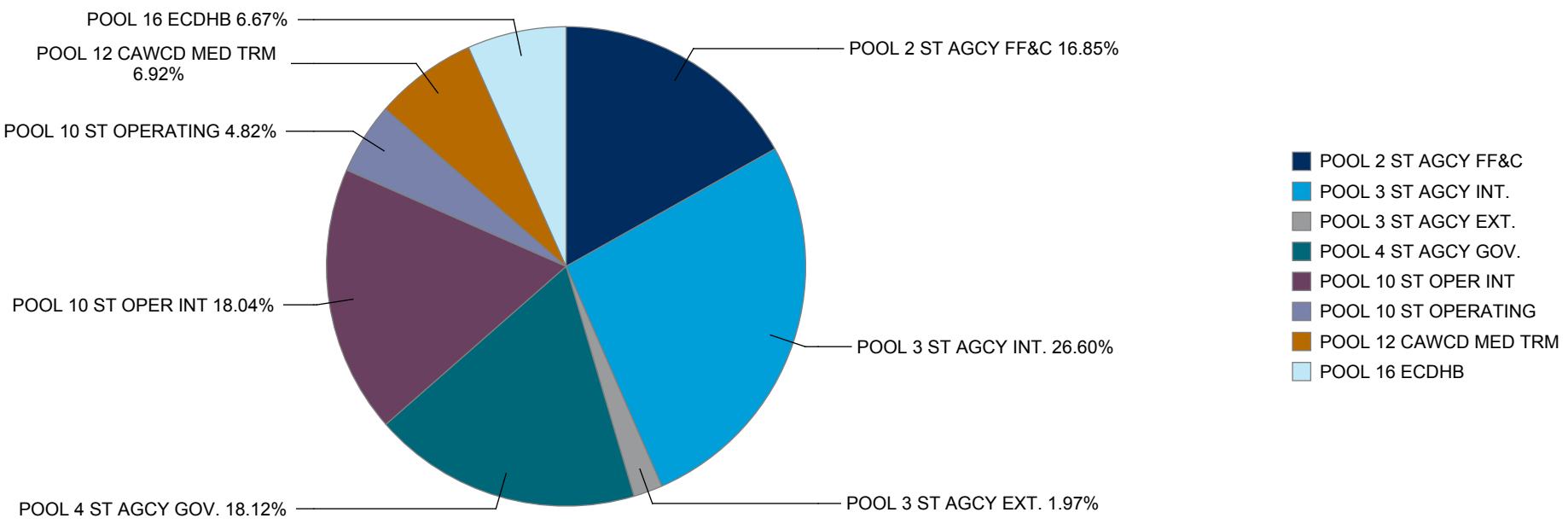
FUND	DESCRIPTION	Current Month 07/31/17	Prior Month 06/30/17	Prior Year 07/31/16
2	STATE AGENCIES - FULL FAITH & CREDIT	1.09%	1.04%	0.90%
	75% MERRILL 0-1 US TREAS INDEX / 25% MERRILL US GNMA MORTGAGE BACKED INDEX	1.58%	1.59%	0.85%
3	STATE AGENCIES - DIVERSIFIED			
	INTERNAL MANAGERS	1.32%	1.23%	0.93%
	EXTERNAL MANAGERS	1.39%	1.40%	1.20%
	COMBINED	1.33%	1.24%	0.95%
	50% 3 MONTH LIBOR INDEX / 50% MERRILL 1-3 US BROAD MARKET INDEX	1.44%	1.44%	0.85%
4	STATE AGENCIES - GOV	1.12%	1.08%	0.79%
	50% MERRILL 6 MTH US T-BILL INDEX / 50% MERRILL 1-3 UNSUB. US TREAS / AGY INDEX	1.25%	1.27%	0.52%
9A	PUBLIC SCHOOL CREDIT ENHANCEMENT	1.09%	1.04%	N/A
10	RESTRICTED OPERATING			
	INTERNAL MANAGERS	1.38%	1.38%	1.03%
	EXTERNAL MANAGERS	0.76%	0.75%	0.54%
	COMBINED	1.23%	1.23%	0.91%
	50% 3 MONTH LIBOR INDEX / 50% MERRILL 1-3 US BROAD MARKET INDEX	1.44%	1.44%	0.85%
12	CAWCD MEDIUM-TERM	1.60%	1.55%	1.45%
	75% MERRILL 1-5 US D M INDEX / 25% S & P LGIP INDEX	1.60%	1.61%	1.08%
15	AHCCCS OPERATING	0.25%	0.23%	0.44%
16	ECDH MEDIUM-TERM	1.77%	1.72%	1.64%
	75% MERRILL 1-5 US D M INDEX / 25% S & P LGIP INDEX	1.60%	1.61%	1.08%

OFFICE OF THE ARIZONA STATE TREASURER

July 31, 2017

STATE AGENCY

Manager Allocation



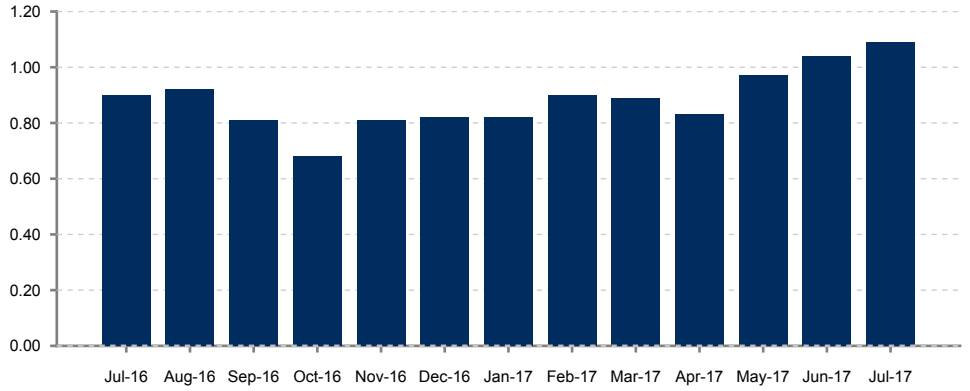
	Market Value	% of Portfolio
POOL 2 ST AGCY FF&C	893,982,531	16.9
POOL 3 ST AGCY INT.	1,410,749,796	26.6
POOL 3 ST AGCY EXT.	104,450,097	2.0
POOL 4 ST AGCY GOV.	961,249,082	18.1
POOL 10 ST OPER INT	956,963,338	18.0
POOL 10 ST OPERATING	255,729,368	4.8
POOL 12 CAWCD MED TRM	367,096,808	6.9
POOL 16 ECDHB	354,034,704	6.7
TOTAL STATE AGENCY	5,304,255,729	100.0

OFFICE OF THE ARIZONA STATE TREASURER

July 31, 2017

POOL 2 ST AGCY FF&C

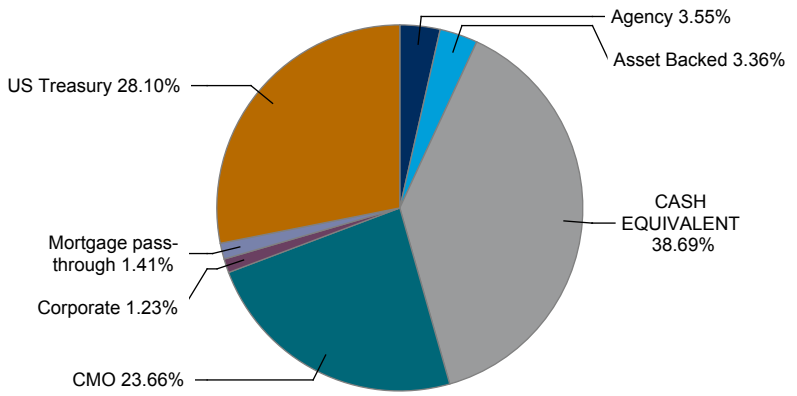
Net Yield



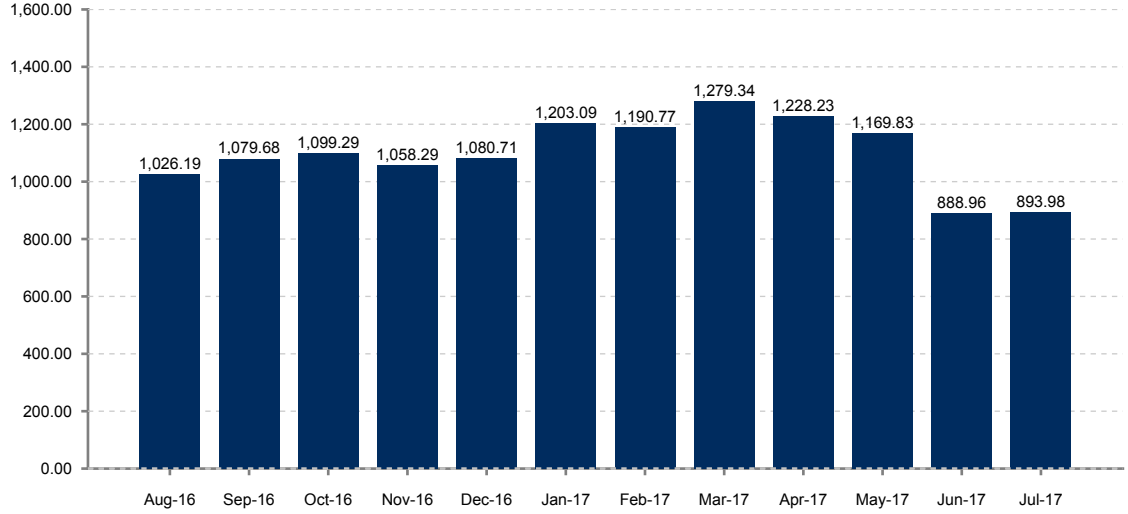
	Current Mth	Prior Mth	1 Year Ago
POOL 2 ST AGCY FF&C	1.09	1.04	0.90

Asset Allocation

	Ending Market Value
POOL 2 ST AGCY FF&C	893,982,531



Net Asset Values over Time ($MM)



Top 10 Holdings

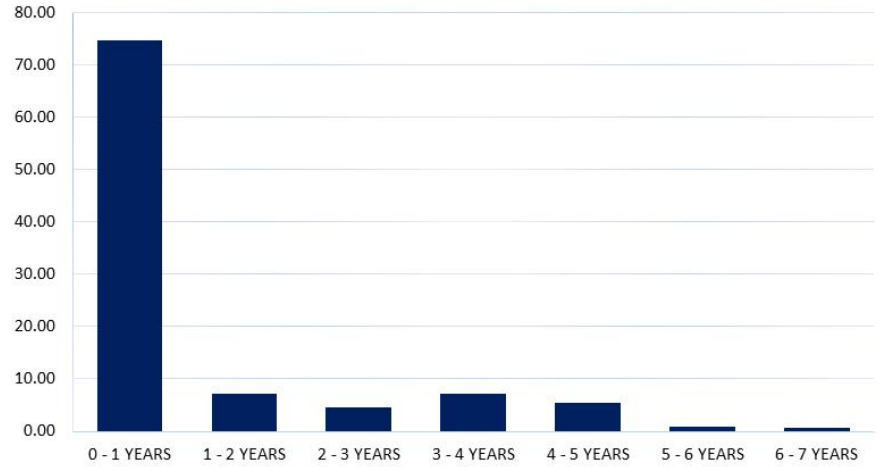
Security Name	Ending Market Value	% of Portfolio
POOL 2 ST AGCY FF&C		
DAIWA CAPITAL MARKETS	200,005,833	22.37
AMHERST PIERPONT	117,798,045	13.18
US TREASURY N/B	30,071,030	3.36
TREASURY BILL	29,931,881	3.35
GOVERNMENT NATIONAL	20,319,947	2.27
US TREASURY N/B	20,243,644	2.26
US TREASURY N/B	20,081,816	2.25
US TREASURY N/B	19,993,370	2.24
US TREASURY FRN	19,029,287	2.13
US TREASURY FRN	19,009,605	2.13

OFFICE OF THE ARIZONA STATE TREASURER

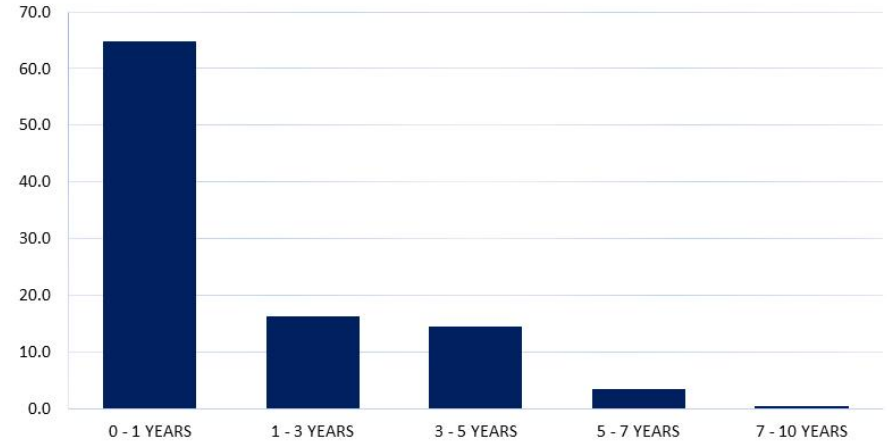
July 31, 2017

POOL 2 ST AGCY FF&C

Duration Distribution



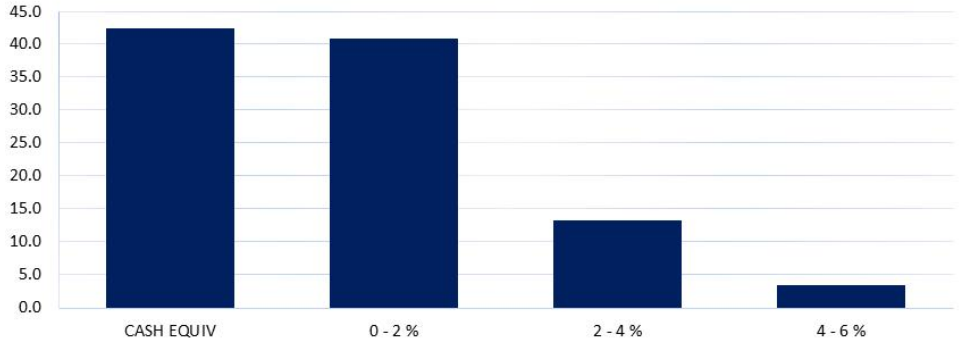
Expected Maturity Distribution



Portfolio Level Characteristics

	POOL 2 ST AGCY FF&C
Weighted Average Life	1.32
Coupon	1.71
Effective Duration	0.95
Quality Rating (Moody's)	AAA

Coupon Distribution



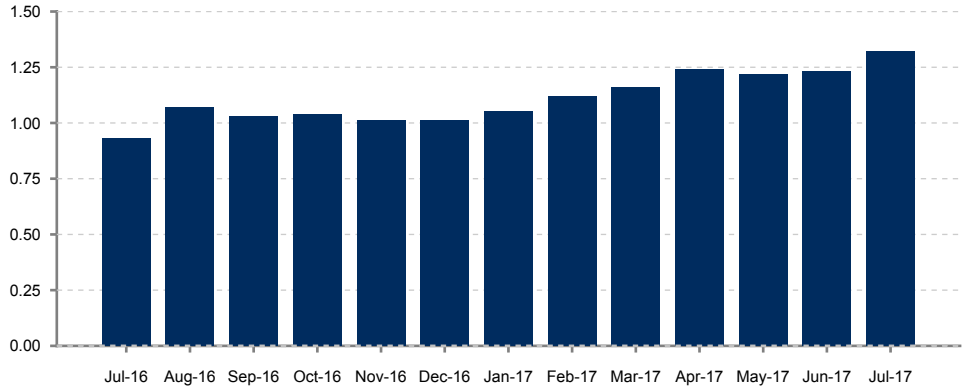
Rating Distribution

OFFICE OF THE ARIZONA STATE TREASURER

July 31, 2017

POOL 3 ST AGCY INT.

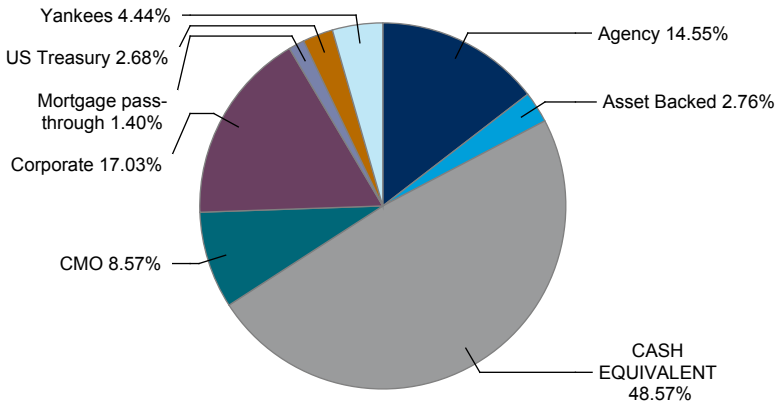
Net Yield



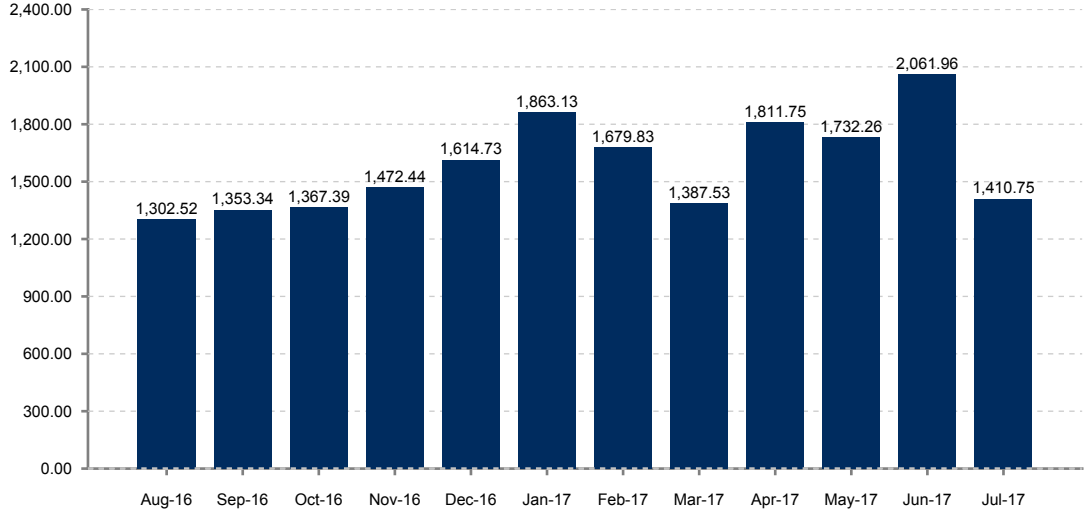
	Current Mth	Prior Mth	1 Year Ago
POOL 3 ST AGCY INT.	1.32	1.23	0.93

Asset Allocation

	Ending Market Value
POOL 3 ST AGCY INT.	1,410,749,796



Net Asset Values over Time ($MM)



Top 10 Holdings

Security Name	Ending Market Value	% of Portfolio
POOL 3 ST AGCY INT.		
SOUTH STREET REPO	279,592,450	19.82
IBM CORP	30,111,324	2.13
FREDDIE MAC	30,105,390	2.13
CONCORD MIN CPTL CO	29,993,850	2.13
STARBIRD FDG. CORP	27,999,067	1.98
INSTITUTIONAL SECURED	24,997,354	1.77
GOTHAM FDG CORP	24,963,840	1.77
SHEFFIELD RECEIVABLE	24,961,195	1.77
NESTLE FIN FRANCE S.	24,959,958	1.77
EXXON MOBIL CORP	24,959,917	1.77

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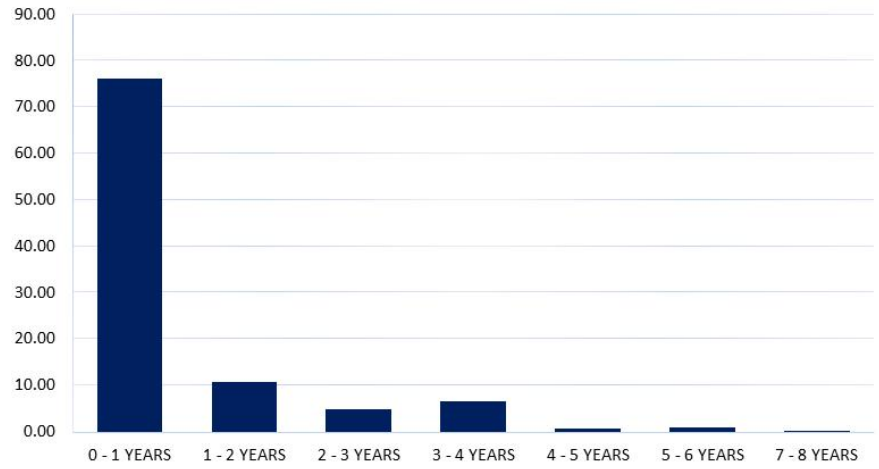
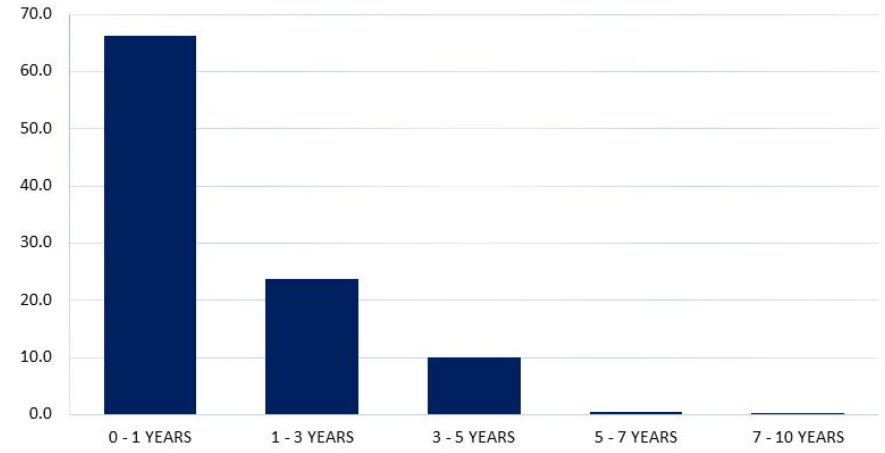
POOL 3 ST AGCY INT

Duration Distribution



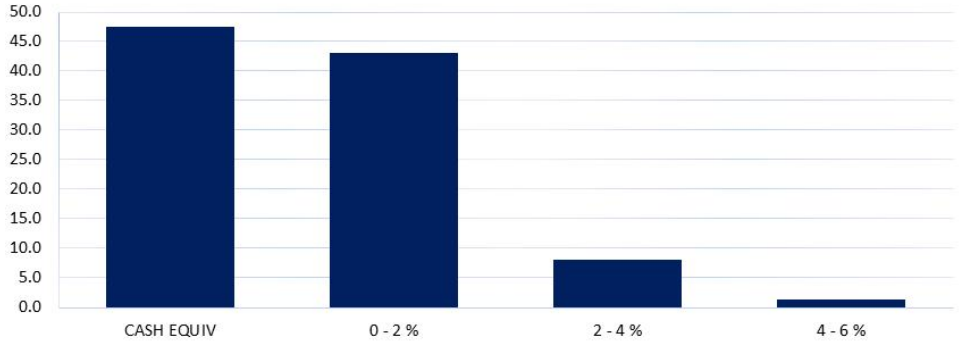
Expected Maturity Distribution



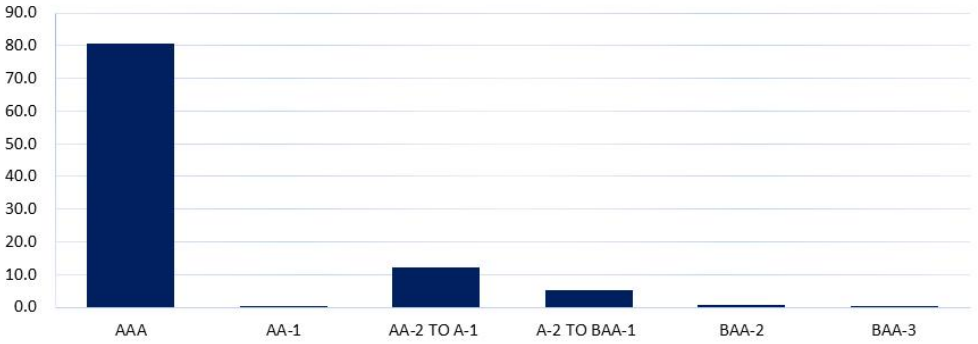
Portfolio Level Characteristics

	POOL 3 ST AGCY INT.
Weighted Average Life	0.94
Coupon	1.65
Effective Duration	0.68
Quality Rating (Moody's)	AA-1

Coupon Distribution



Rating Distribution

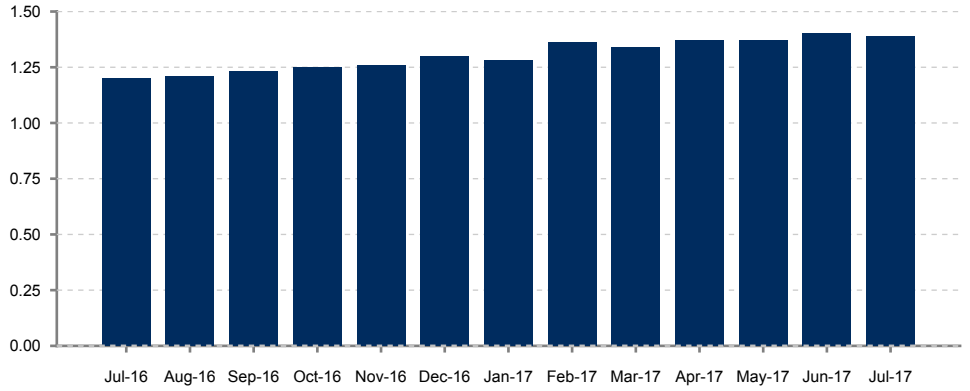


OFFICE OF THE ARIZONA STATE TREASURER

July 31, 2017

POOL 3 ST AGCY EXT.

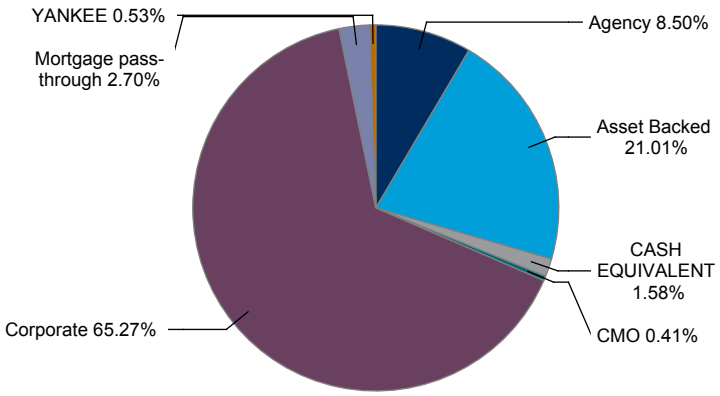
Net Yield



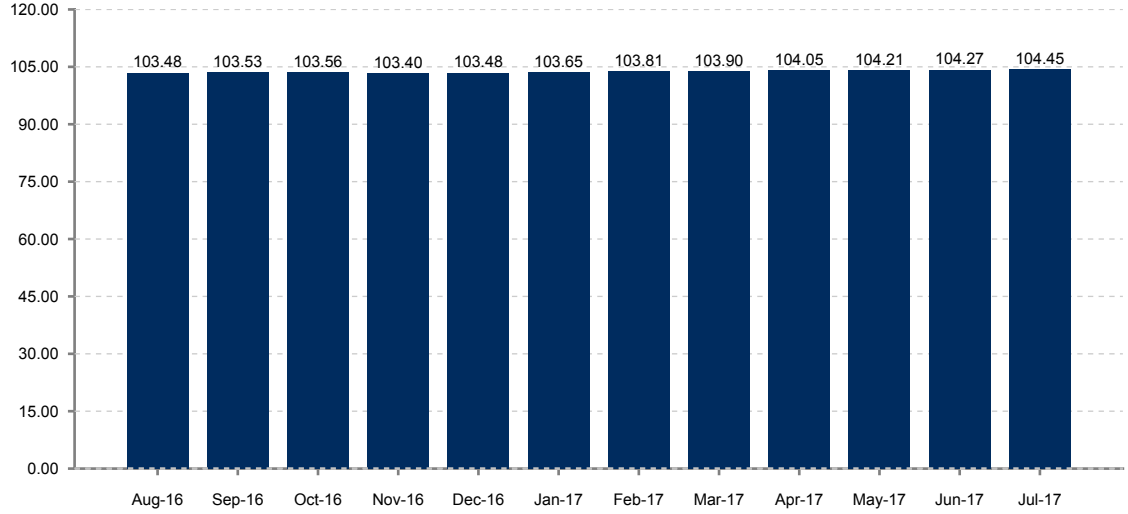
	Current Mth	Prior Mth	1 Year Ago
POOL 3 ST AGCY EXT.	1.39	1.40	1.20

Asset Allocation

	Ending Market Value
POOL 3 ST AGCY EXT.	104,450,097



Net Asset Values over Time ($MM)



Top 10 Holdings

Security Name	Ending Market Value	% of Portfolio
POOL 3 ST AGCY EXT.		
FANNIE MAE	2,997,347	2.87
FREDDIE MAC	2,784,381	2.67
DISCOVER CARD EXECUTION NOTE T	2,107,208	2.02
FNMA POOL MA1443	1,999,597	1.91
FANNIE MAE	1,995,172	1.91
BRANCH BANKING + TRUST	1,857,307	1.78
MANUF + TRADERS TRUST CO	1,806,681	1.73
CITIBANK NA	1,757,315	1.68
3M COMPANY	1,545,309	1.48
INTEL CORP	1,505,234	1.44

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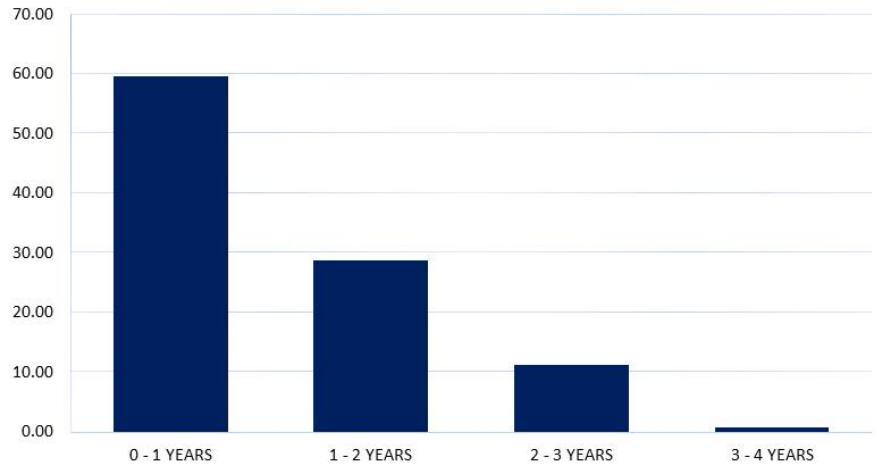
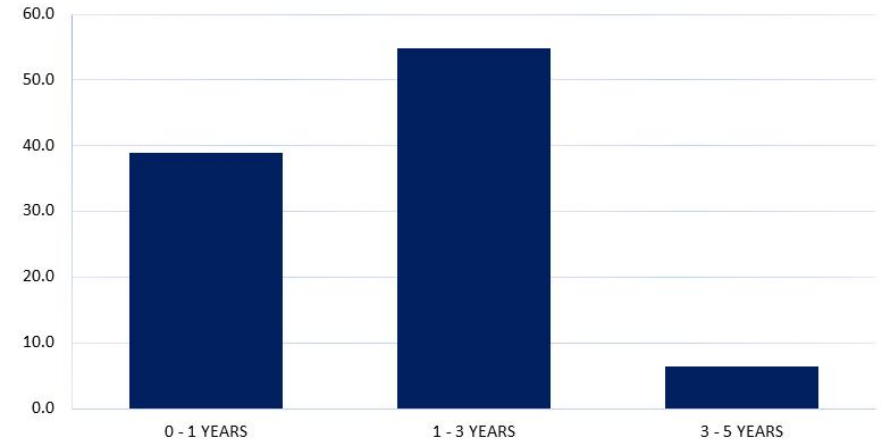
POOL 3 ST AGCY EXT

Duration Distribution



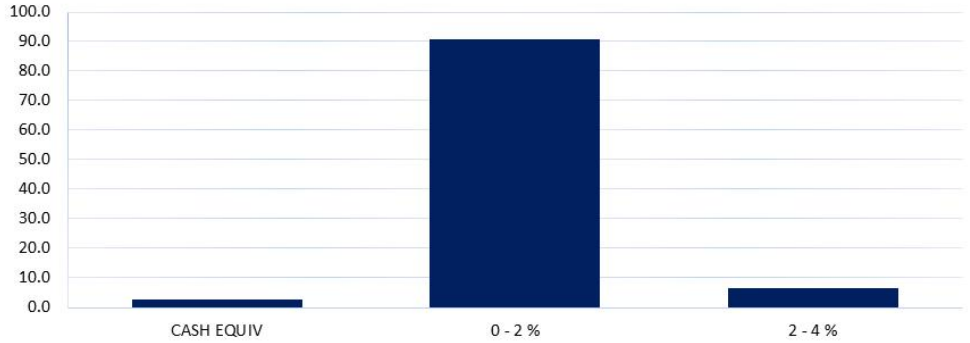
Expected Maturity Distribution



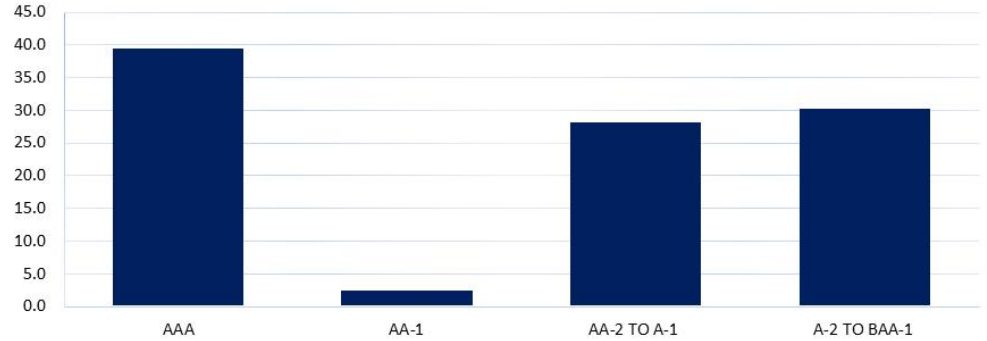
Portfolio Level Characteristics

	POOL 3 ST AGCY EXT.
Weighted Average Life	1.55
Coupon	1.54
Effective Duration	0.89
Quality Rating (Moody's)	AA-3

Coupon Distribution



Rating Distribution



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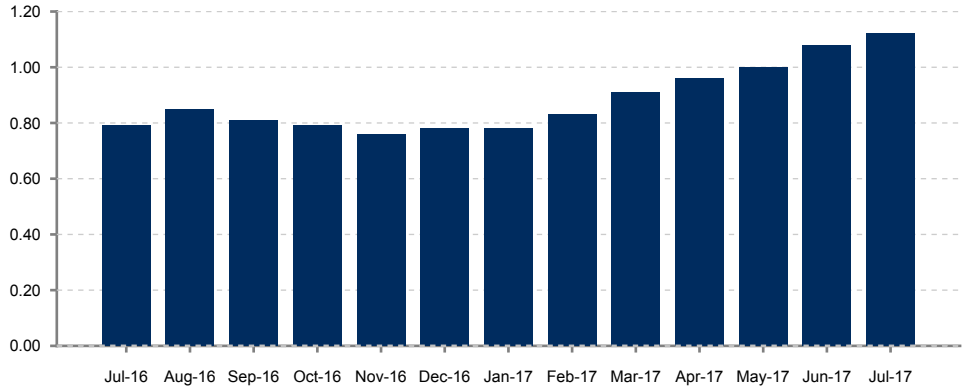
POOL 4 ST AGCY GOV.

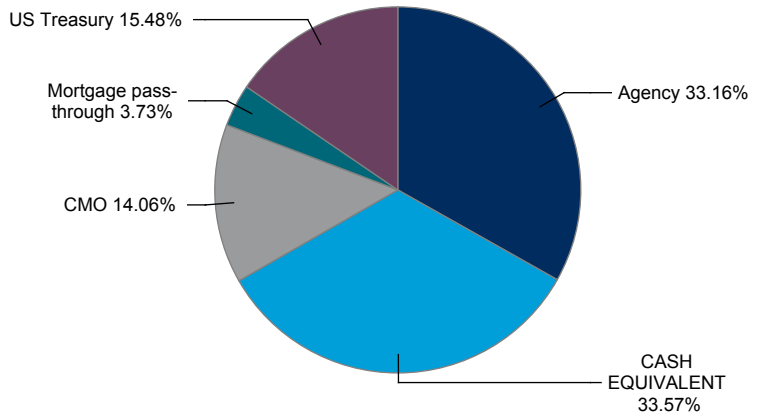
Net Yield



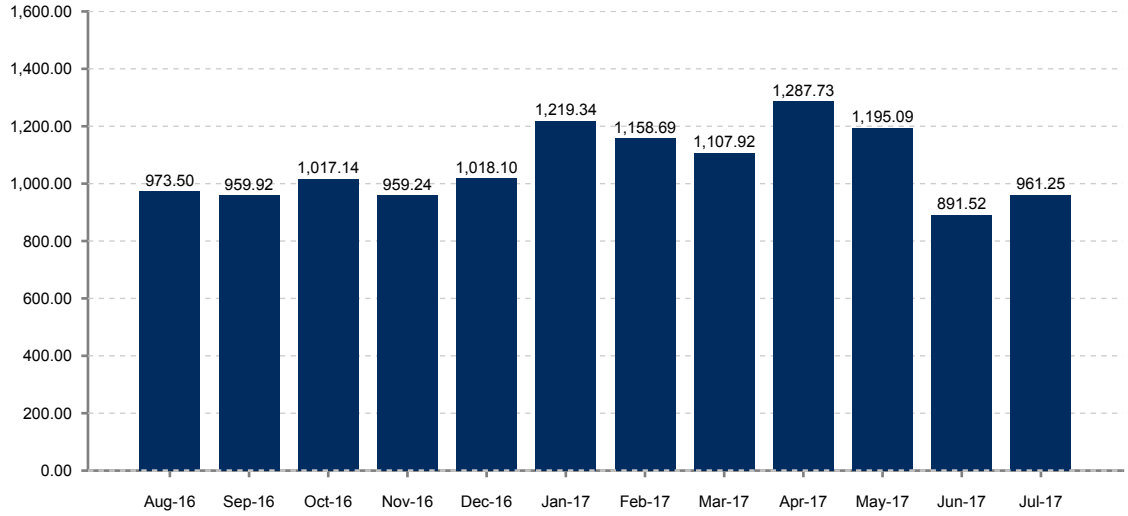
	Current Mth	Prior Mth	1 Year Ago
POOL 4 ST AGCY GOV.	1.12	1.08	0.79

Asset Allocation

	Ending Market Value
POOL 4 ST AGCY GOV.	961,249,082



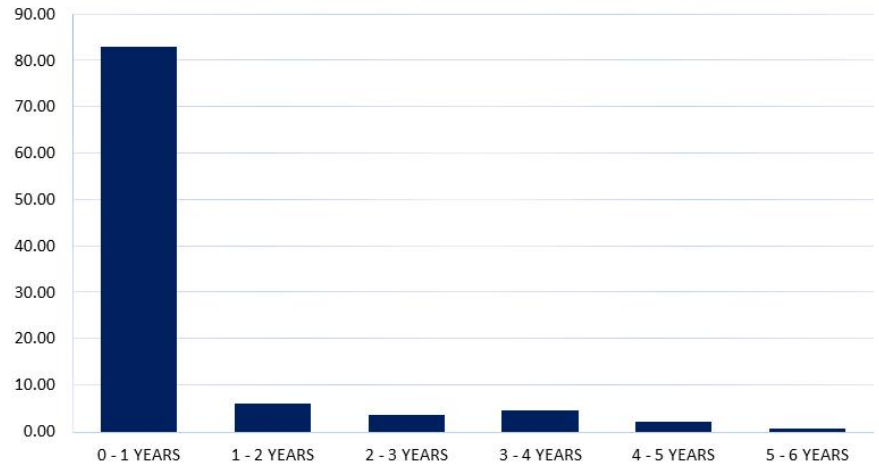
Net Asset Values over Time ($MM)



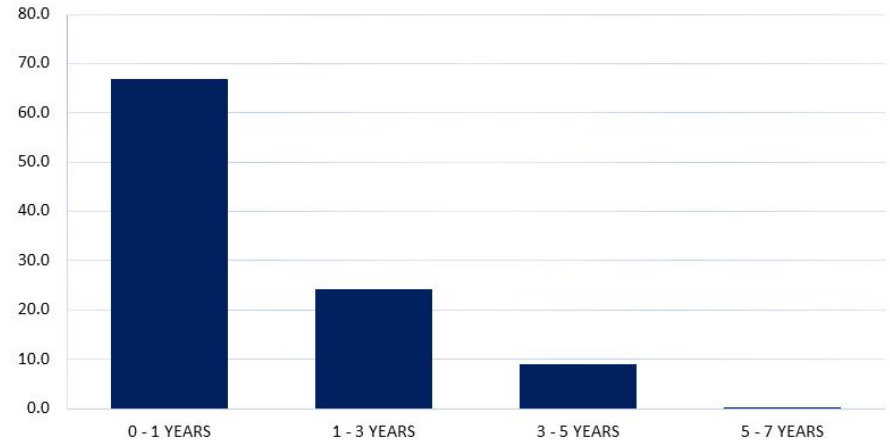
Top 10 Holdings

Security Name	Ending Market Value	% of Portfolio
POOL 4 ST AGCY GOV.		
AMHERST PIERPONT	174,271,789	18.13
SOUTH STREET REPO	120,420,661	12.53
US TREASURY N/B	30,071,030	3.13
FARMER MAC	20,222,547	2.10
FREDDIE MAC	20,070,260	2.09
FEDERAL FARM CREDIT BANK	20,066,576	2.09
FEDERAL FARM CREDIT BANK	20,022,378	2.08
FEDERAL FARM CREDIT BANK	19,992,558	2.08
FED HOME LN DISCOUNT NT	19,984,672	2.08
TREASURY BILL	19,954,587	2.08

Duration Distribution



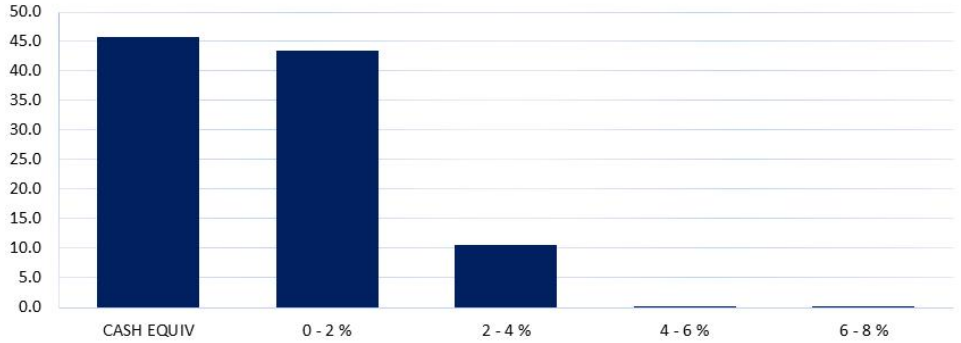
Expected Maturity Distribution



Portfolio Level Characteristics

	POOL 4 ST AGCY GOV.
Weighted Average Life	0.98
Coupon	1.28
Effective Duration	0.68
Quality Rating (Moody's)	AAA

Coupon Distribution



Rating Distribution

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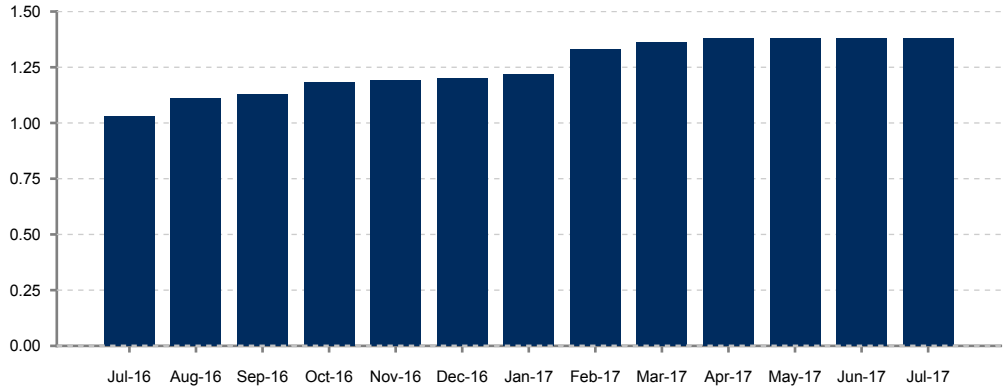
POOL 10 ST OPERATING INT

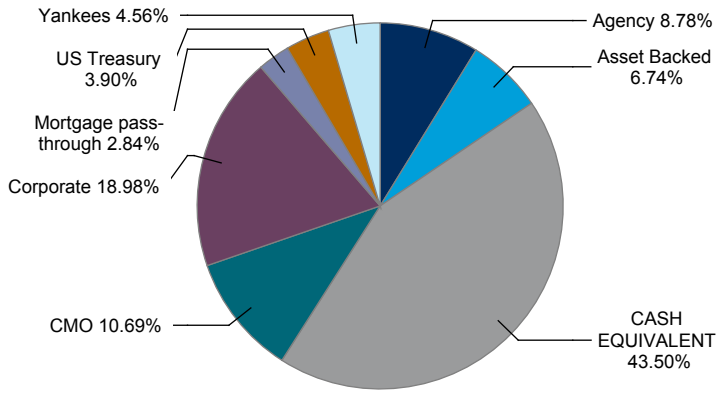
Net Yield



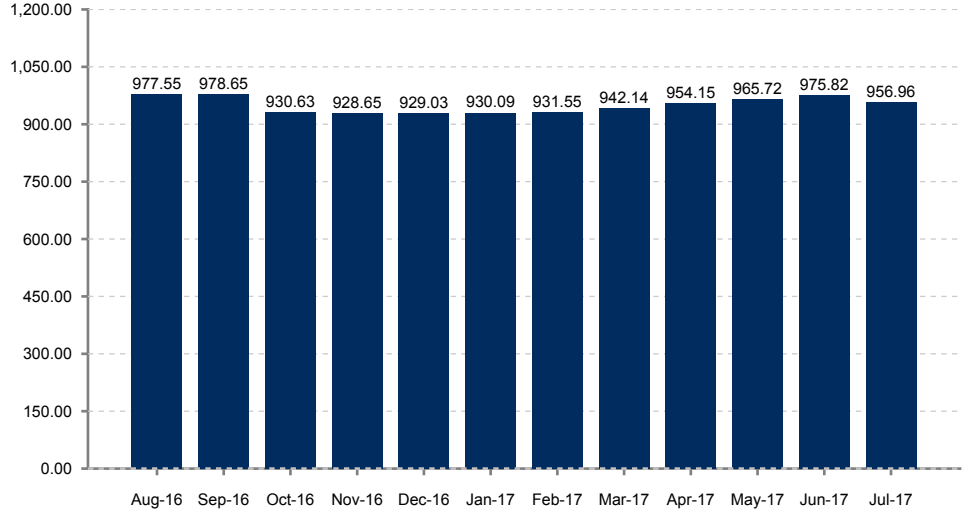
	Current Mth	Prior Mth	1 Year Ago
POOL 10 ST OPER INT	1.38	1.38	1.03

Asset Allocation

	Ending Market Value
POOL 10 ST OPER INT	956,963,338



Net Asset Values over Time ($MM)



Top 10 Holdings

Security Name	Ending Market Value	% of Portfolio
POOL 10 ST OPER INT		
SOUTH STREET REPO	81,267,995	8.49
MOUNTCLIFF	50,000,000	5.22
INSTITUTIONAL SECURED	30,000,000	3.13
MANHATTAN ASSET FDG.	24,997,500	2.61
NESTLE FIN FRANCE S.	24,959,958	2.61
US TREASURY N/B	20,108,640	2.10
BEDFORD ROW FDG CORP	19,712,949	2.06
FANNIE MAE	17,287,114	1.81
PRIVATE EXP. FUNDING	15,000,000	1.57
PACCAR FINANCIAL COR	14,997,250	1.57

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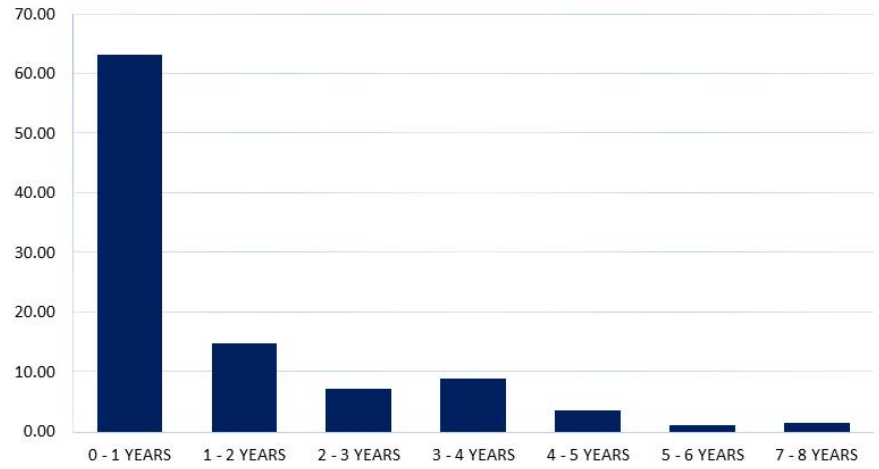
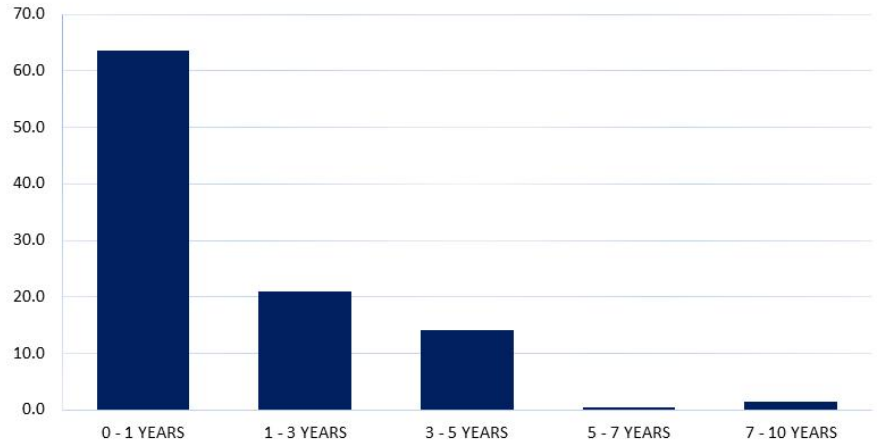
POOL 10 ST OPERATING INT

Duration Distribution



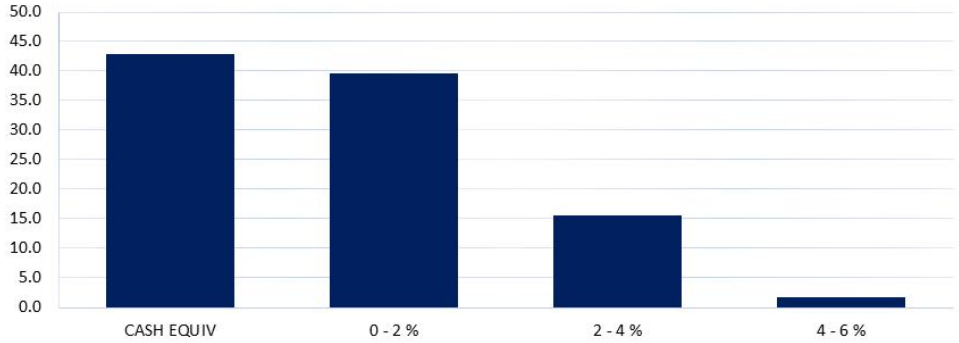
Expected Maturity Distribution



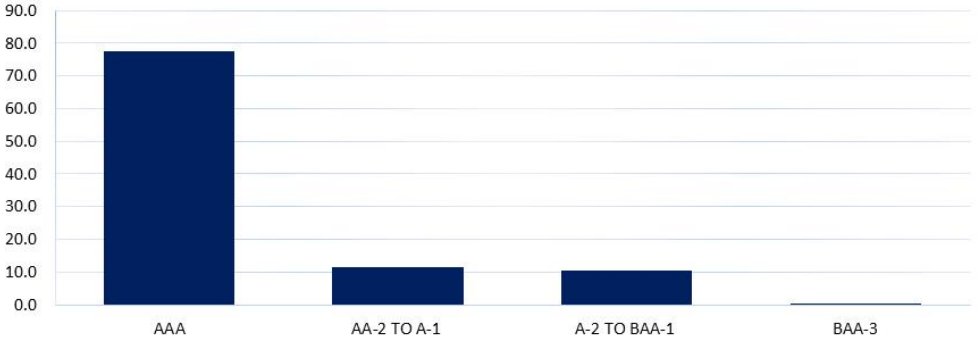
Portfolio Level Characteristics

	POOL 10 ST OPERATING INT
Weighted Average Life	1.22
Coupon	1.51
Effective Duration	1.12
Quality Rating (Moody's)	AA-2

Coupon Distribution



Rating Distribution



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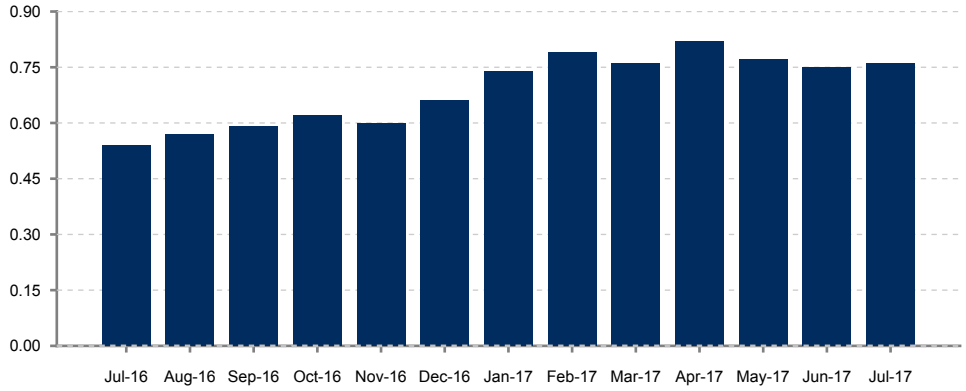
POOL 10 ST OPERATING Ext

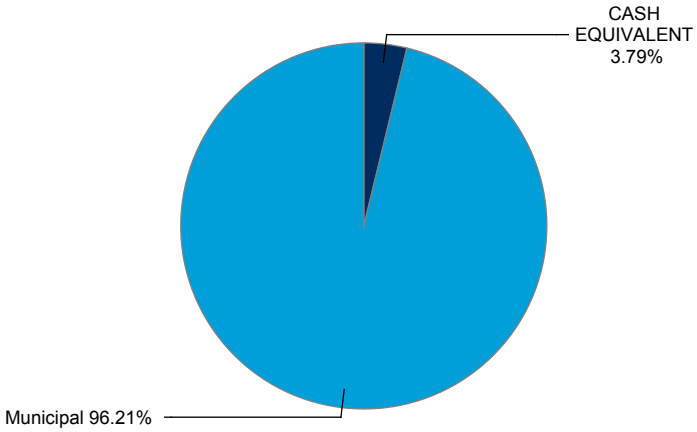
Net Yield



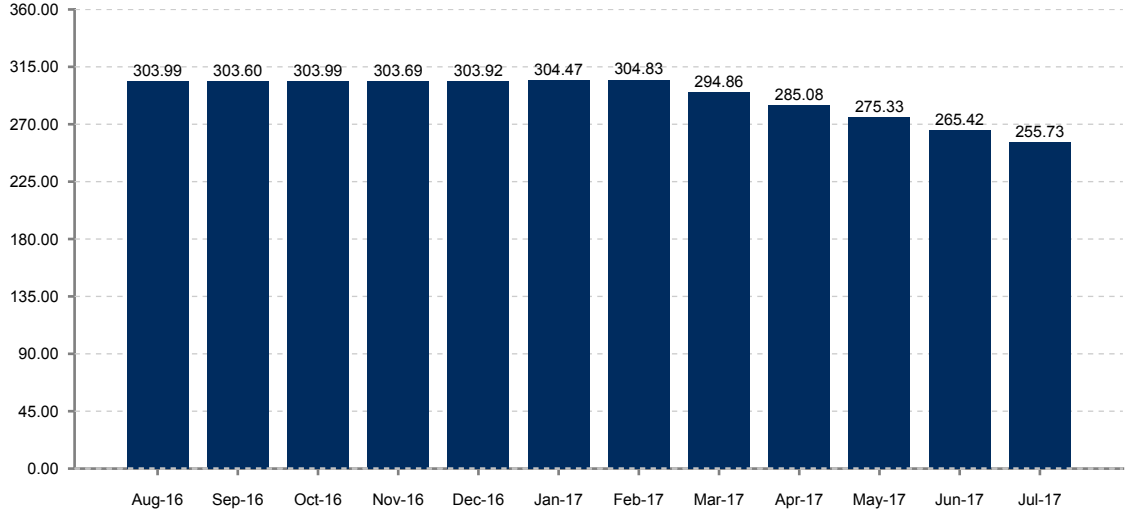
	Current Mth	Prior Mth	1 Year Ago
POOL 10 ST OPERATING	0.76	0.75	0.54

Asset Allocation

	Ending Market Value
POOL 10 ST OPERATING	255,729,368



Net Asset Values over Time ($MM)



Top 10 Holdings

Security Name	Ending Market Value	% of Portfolio
POOL 10 ST OPERATING		
LOUISVILLE JEFFERSON	14,773,295	5.78
BALTIMORE CNTY MD	12,301,000	4.81
PENNSYLVANIA ST INDL D	10,467,432	4.09
VIRGINIA BEACH VA	10,457,300	4.09
LEAWOOD KS	10,448,105	4.09
MADISON WI	10,170,155	3.98
DREYFUS TAX EXEMPT CA	10,084,322	3.94
CLARK CNTY NV ARPT RE	10,007,247	3.91
LOUDOUN CNTY VA INDL	10,006,753	3.91
NORTH BROWARD FL HOS	10,006,658	3.91

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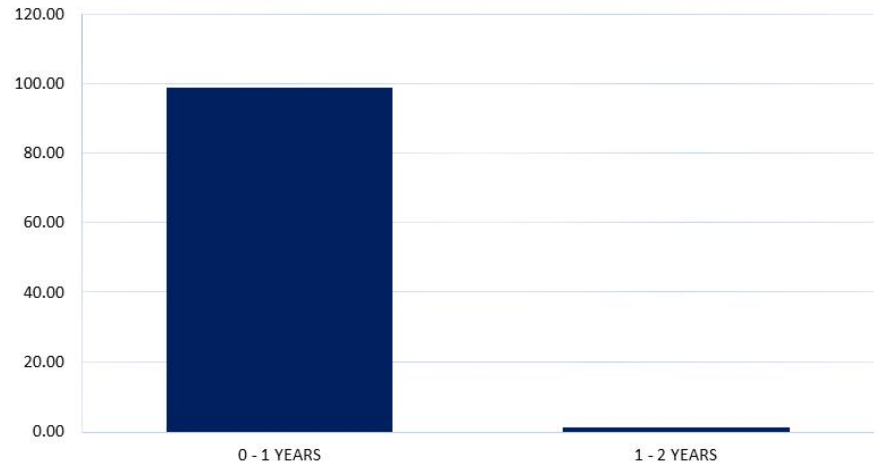
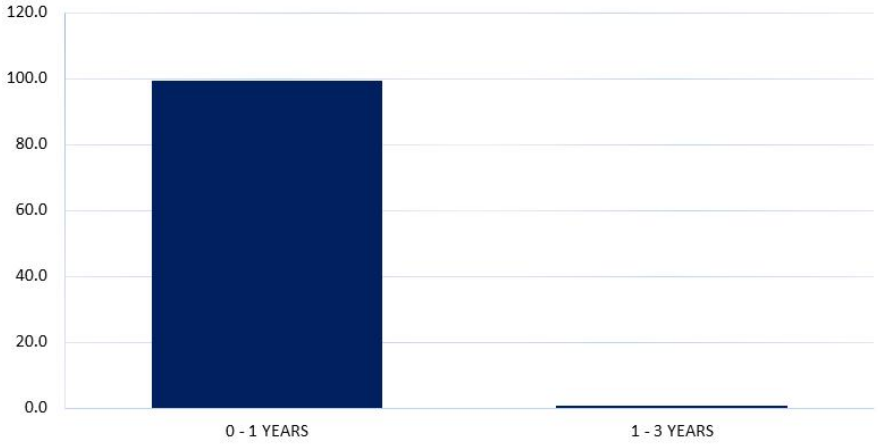
POOL 10 ST OPERATING Ext

Duration Distribution



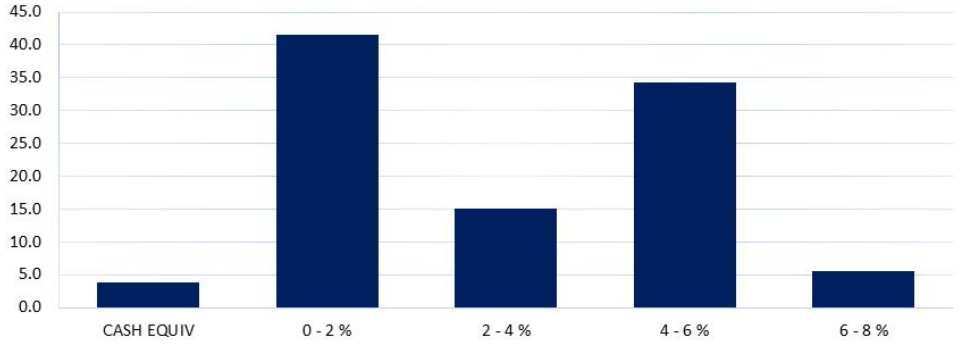
Expected Maturity Distribution



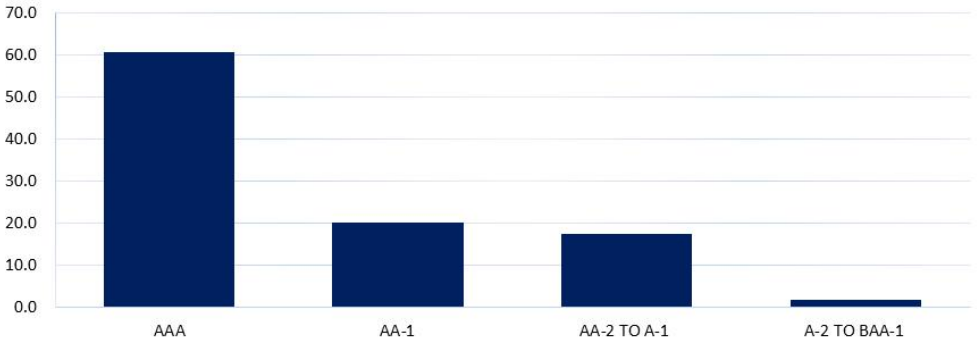
Portfolio Level Characteristics

	POOL 10 ST OPERATING
Weighted Average Life	0.33
Coupon	3.18
Effective Duration	0.33
Quality Rating (Moody's)	AA-1

Coupon Distribution



Rating Distribution



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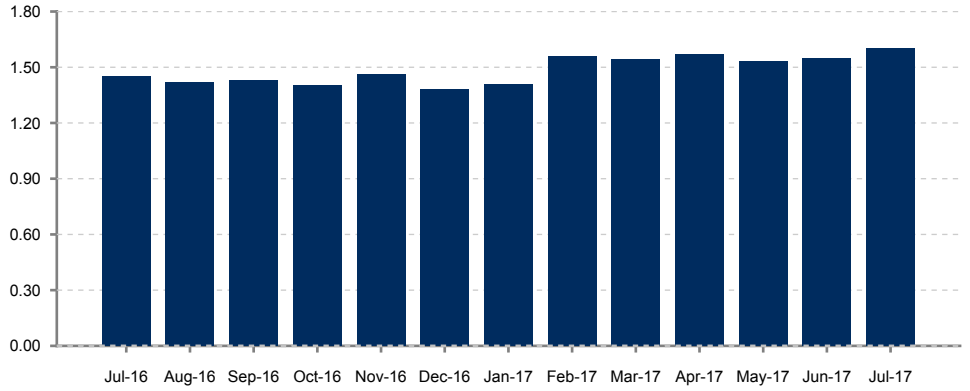
POOL 12 CAWCD MED TRM

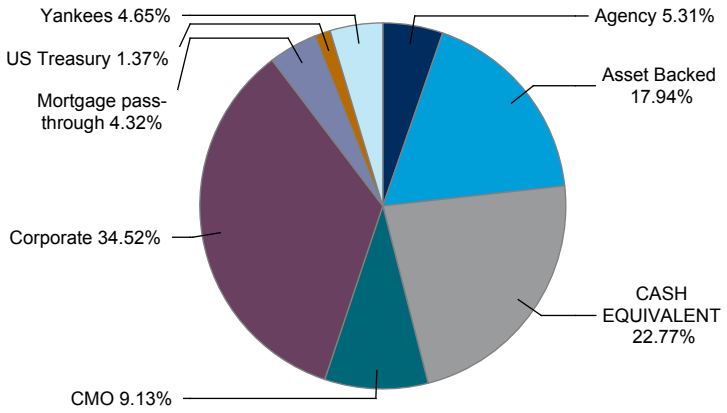
Net Yield



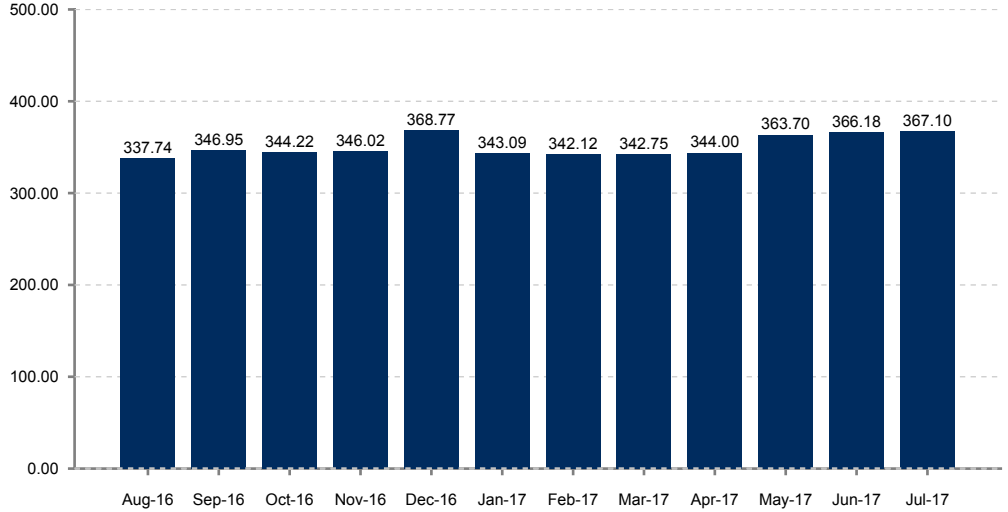
	Current Mth	Prior Mth	1 Year Ago
POOL 12 CAWCD MED TRM	1.60	1.55	1.45

Asset Allocation

	Ending Market Value
POOL 12 CAWCD MED TRM	367,096,808



Net Asset Values over Time ($MM)



Top 10 Holdings

Security Name	Ending Market Value	% of Portfolio
POOL 12 CAWCD MED TRM		
SOUTH STREET REPO	30,513,623	8.31
GM FINANCIAL AUTOMOBILE LEASIN	10,008,187	2.73
CATERPLR FIN SRV CO.	7,995,733	2.18
CONCORD MIN CPTL CO	7,498,463	2.04
CNH EQUIPMENT TRUST	7,001,856	1.91
HONDA AUTO RECEIVABLES OWNER T	5,989,432	1.63
AMERICAN HONDA FINAN	5,549,655	1.51
FANNIE MAE	5,429,883	1.48
BNK OF TKYO MTBSHI L	5,071,458	1.38
APPLE INC	5,056,251	1.38

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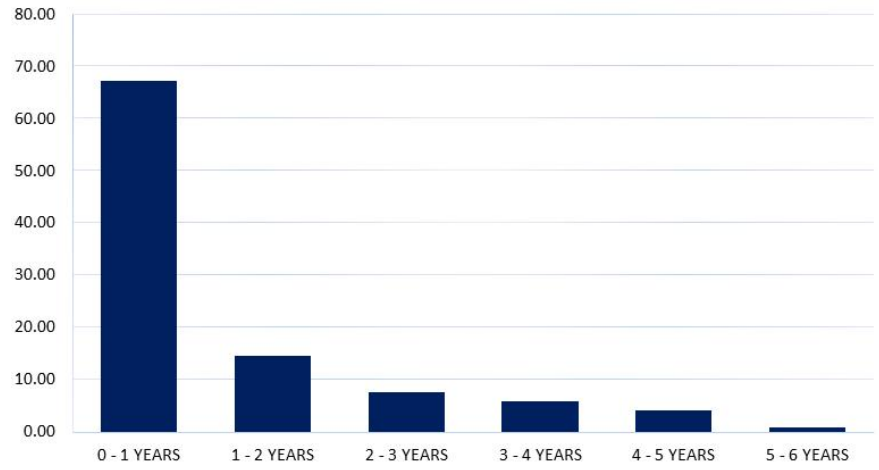
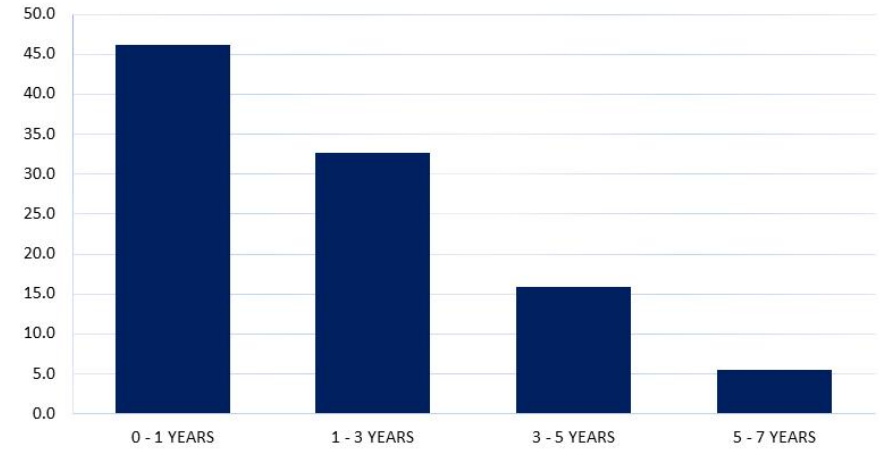
POOL 12 CAWCD MED TRM

Duration Distribution



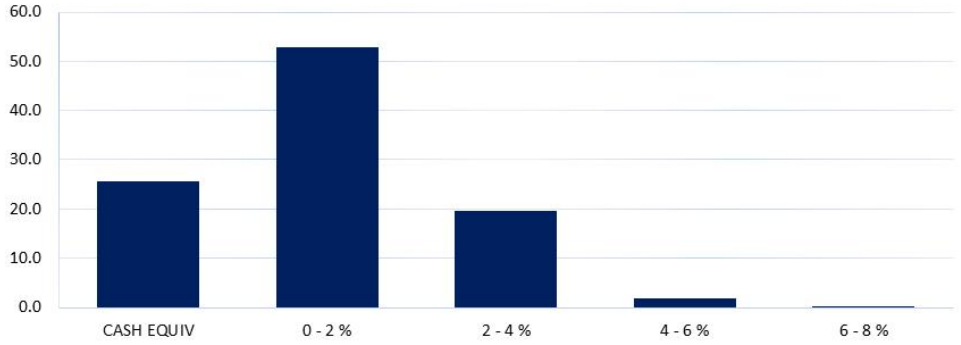
Expected Maturity Distribution



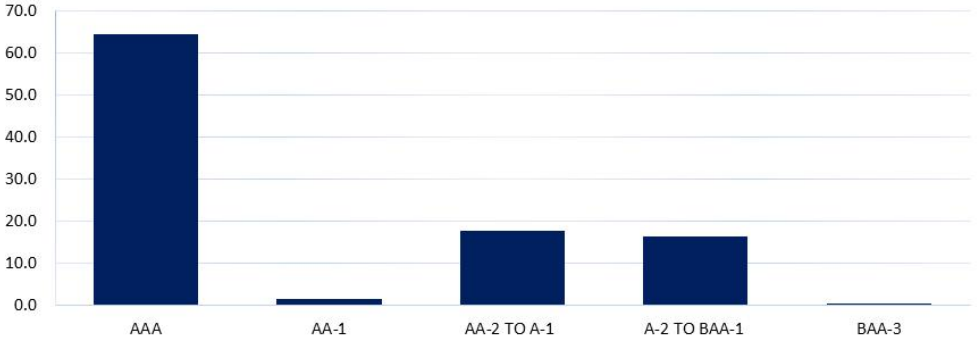
Portfolio Level Characteristics

	POOL 12 CAWCD MED TRM
Weighted Average Life	1.77
Coupon	1.97
Effective Duration	0.96
Quality Rating (Moody's)	AA-2

Coupon Distribution



Rating Distribution



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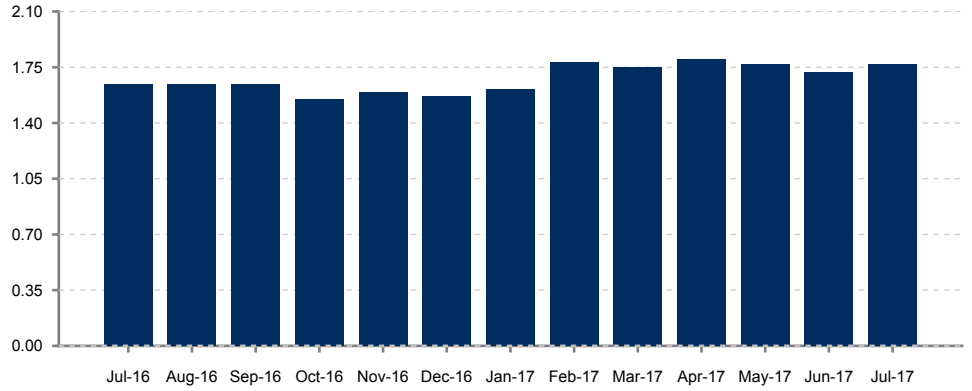
POOL 16 ECDHB

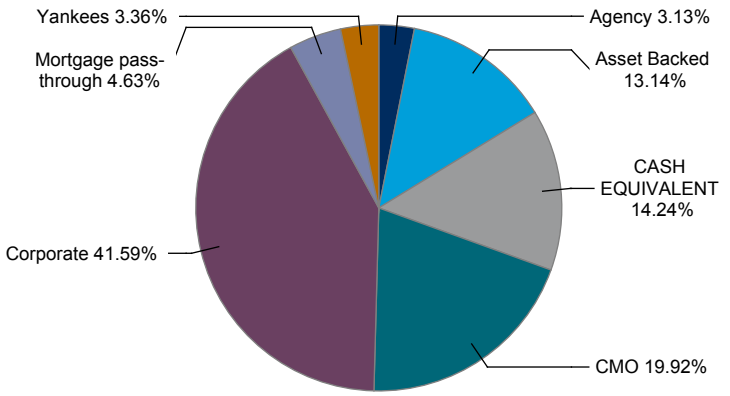
Net Yield



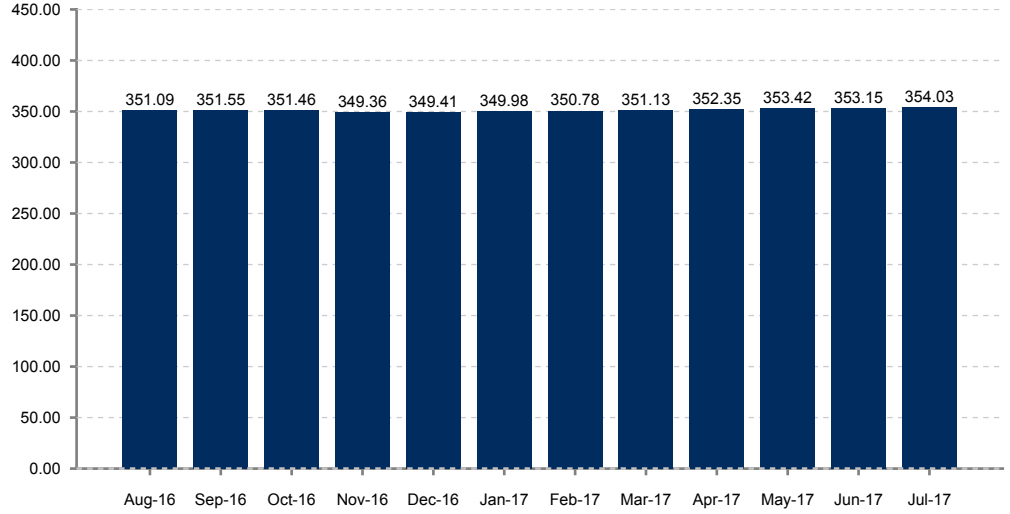
	Current Mth	Prior Mth	1 Year Ago
POOL 16 ECDHB	1.77	1.72	1.64

Asset Allocation

	Ending Market Value
POOL 16 ECDHB	354,034,704



Net Asset Values over Time ($MM)



Top 10 Holdings

Security Name	Ending Market Value	% of Portfolio
POOL 16 ECDHB		
GUGGENHEIM SECURITIES REPO	10,779,296	3.04
FANNIE MAE	6,376,956	1.80
FREDDIEMAC STRIP	6,129,288	1.73
CNH EQUIPMENT TRUST	6,001,590	1.70
FHLMC MULTIFAMILY STRUCTURED P	5,179,816	1.46
GOVERNMENT NATIONAL MORTGAGE A	5,112,660	1.44
FANNIE MAE	5,105,162	1.44
BNK OF TKYO MTBSHI L	5,071,458	1.43
ANHEUSER BUSCH INBEV FIN	5,042,555	1.42
CISCO SYSTEMS INC	5,039,202	1.42

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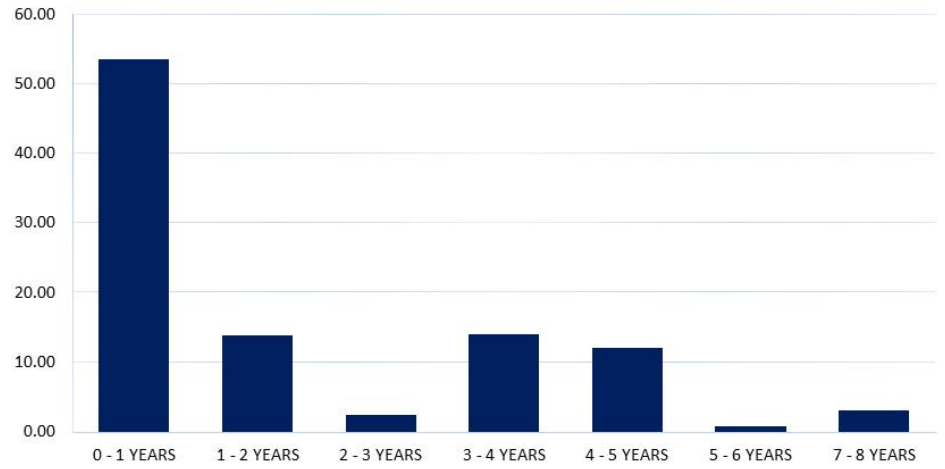
POOL 16 ECDHB

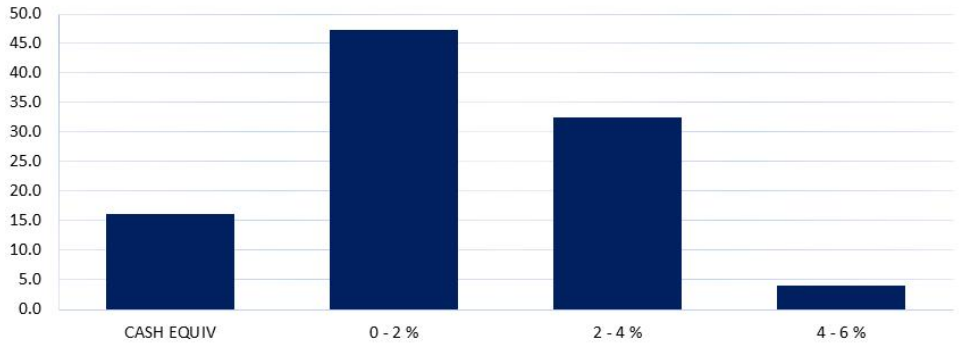
Duration Distribution



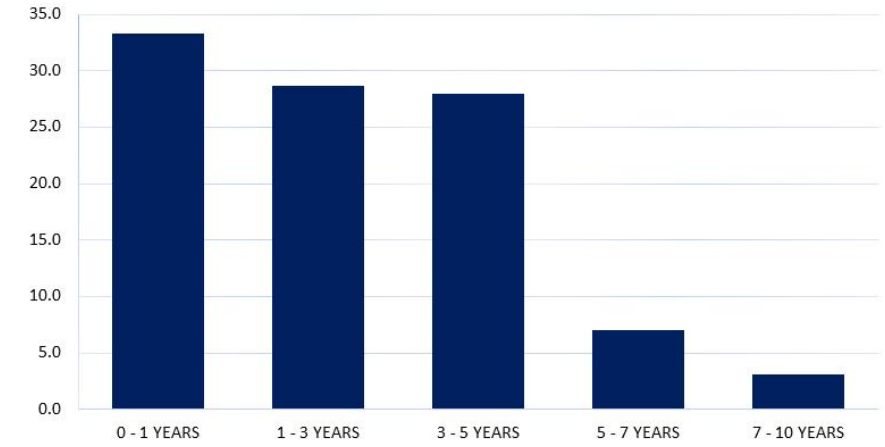
Portfolio Level Characteristics

	POOL 16 ECDHB
Weighted Average Life	2.57
Coupon	2.22
Effective Duration	1.67
Quality Rating (Moody's)	AA-3

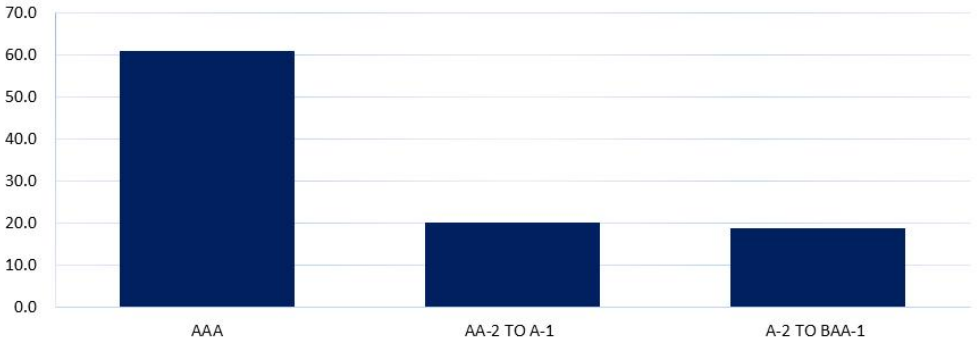
Coupon Distribution



Expected Maturity Distribution



Rating Distribution



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LGIP & LGIP- GOV
PORTFOLIO YIELD ANALYSIS
JULY 2017

NET EARNINGS

FUND	DESCRIPTION	Current Month 07/31/17	Prior Month 06/30/17	Prior Year 07/31/16	Net Asset Value Per Share
5	LGIP	1,033,836	1,114,691	420,123	1.0000
7	LGIP - GOV	983,511	946,855	351,826	1.0000
	TOTAL LGIP & LGIP-GOV	2,017,346	2,061,547	771,949	

YIELDS

	MONTHLY	Current Month 07/31/17	Prior Month 06/30/17	Prior Year 7/31/16
5	LGIP (NET)	1.01%	0.93%	0.43%
	S & P LGIP INDEX	0.95%	0.84%	0.40%
7	LGIP - GOV (NET)	0.89%	0.83%	0.37%
	3 MONTH T-BILL	1.07%	0.99%	0.29%
	YEAR TO DATE			
5	LGIP (NET)	1.01%	0.62%	0.43%
	S & P LGIP INDEX	0.95%	0.58%	0.40%
7	LGIP - GOV (NET)	0.89%	0.49%	0.37%
	3 MONTH T-BILL	1.07%	0.55%	0.29%

* Note: 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
JULY 2017

NET EARNINGS

FUND	DESCRIPTION	Current Month 07/31/17	Prior Month 06/30/17	Prior Year 07/31/16	Net Asset Value Per Share
500	LGIP - MED TERM POOL	444,434	446,039	275,415	1.0318
700	LGIP - FF&C MED TERM POOL	161,418	157,961	130,150	1.0080
	TOTAL LGIP MEDIUM TERM POOLS	605,851	604,001	405,565	

YIELDS

MONTHLY

		Current Month 07/31/17	Prior Month 06/30/17	Prior Year 7/31/16
500	LGIP - MED TERM (NET)	1.64%	1.57%	1.28%
	75% MERRILL 1-5 US D M INDEX / 25% S & P LGIP INDEX	1.60%	1.61%	1.08%
700	LGIP - FF&C MED TERM (NET)	1.31%	1.32%	1.06%
	75% MERRILL 1-5 US TREAS INDEX / 15% MERRILL US GNMA 15 YR INDEX / 10% MERRILL US 3 MO T-BILL INDEX	1.55%	1.58%	0.83%

YEAR TO DATE

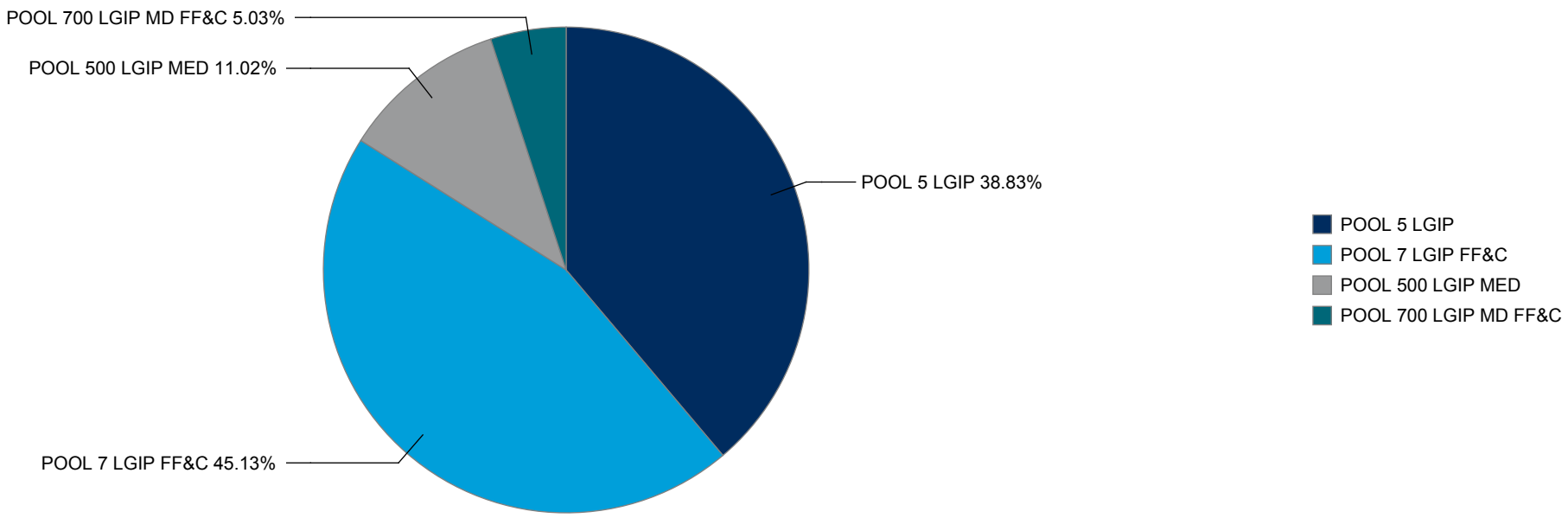
500	LGIP - MED TERM (NET)	1.64%	1.41%	1.28%
	75% MERRILL 1-5 US D M INDEX / 25% S & P LGIP INDEX	1.60%	1.39%	1.08%
700	LGIP - FF&C MED TERM (NET)	1.31%	1.15%	1.06%
	75% MERRILL 1-5 US TREAS INDEX / 15% MERRILL US GNMA 15 YR INDEX / 10% MERRILL US 3 MO T-BILL INDEX	1.55%	1.29%	0.83%

OFFICE OF THE ARIZONA STATE TREASURER

July 31, 2017

LGIP

Manager Allocation



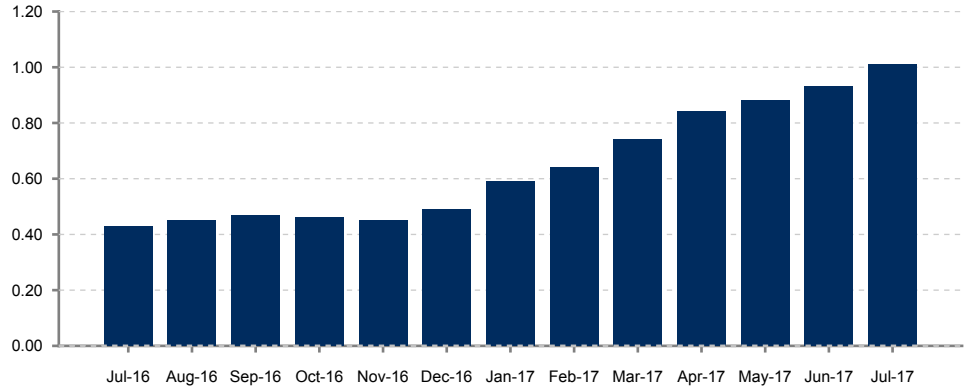
	Market Value	% of Portfolio
POOL 5 LGIP	1,127,769,761	38.8
POOL 7 LGIP FF&C	1,310,707,855	45.1
POOL 500 LGIP MED	319,952,281	11.0
POOL 700 LGIP MD FF&C	145,957,694	5.0
TOTAL LGIP	2,904,387,591	100.0

OFFICE OF THE ARIZONA STATE TREASURER

July 31, 2017

POOL 5 LGIP

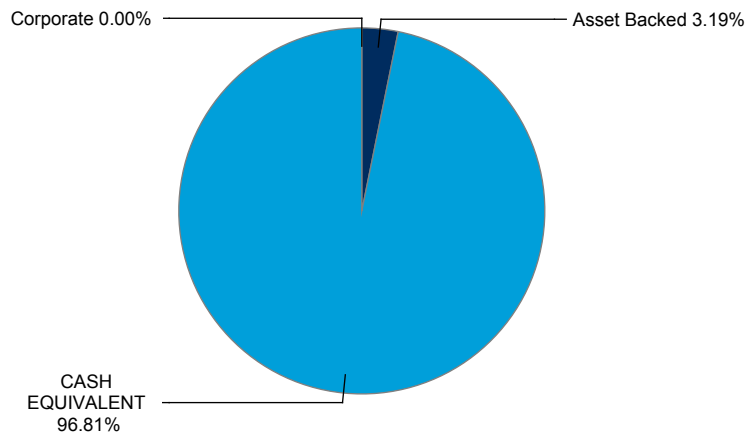
Net Yield



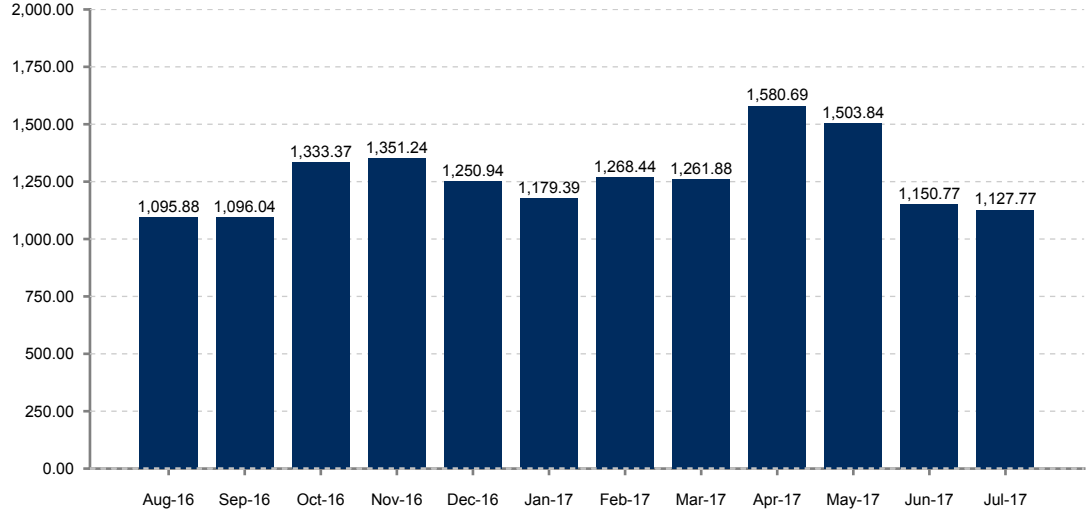
	Current Mth	Prior Mth	1 Year Ago
POOL 5 LGIP	1.01	0.93	0.43

Asset Allocation

	Ending Market Value
POOL 5 LGIP	1,127,769,761



Net Asset Values over Time ($MM)



Top 10 Holdings

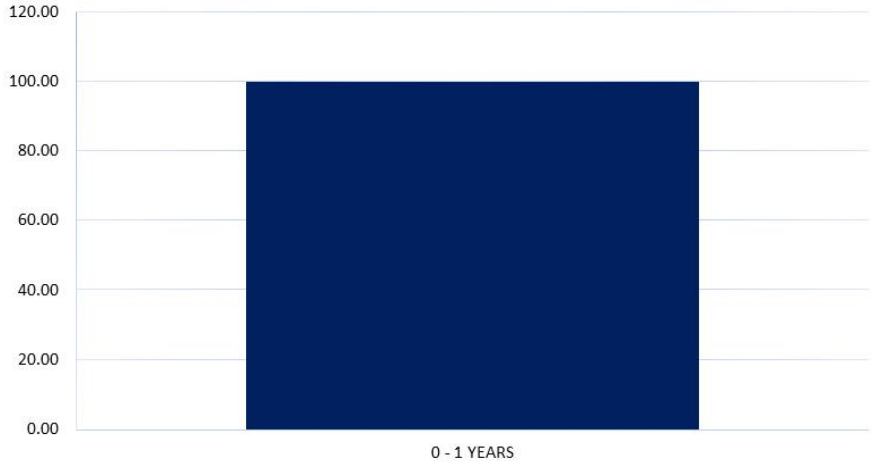
Security Name	Ending Market Value	% of Portfolio
POOL 5 LGIP		
WELLS FARGO REPO	150,030,333	13.30
RBC CAPITAL MARKETS REPO	150,004,250	13.30
BANK OF AMERICA REPO	100,002,778	8.87
FIDELITY INVESTMENTS MONEY	50,478,901	4.48
BANK OF MONTREAL-	40,054,211	3.55
UNITED PARCEL SERVIC	39,999,100	3.55
EXXON MOBIL CORP	39,999,044	3.55
NORTHWESTERN UNIVERS	33,467,018	2.97
COCA-COLA COMPANY	29,968,500	2.66
WELLS FARGO BANK NA	25,102,500	2.23

OFFICE OF THE ARIZONA STATE TREASURER

July 31, 2017

POOL 5 LGIP

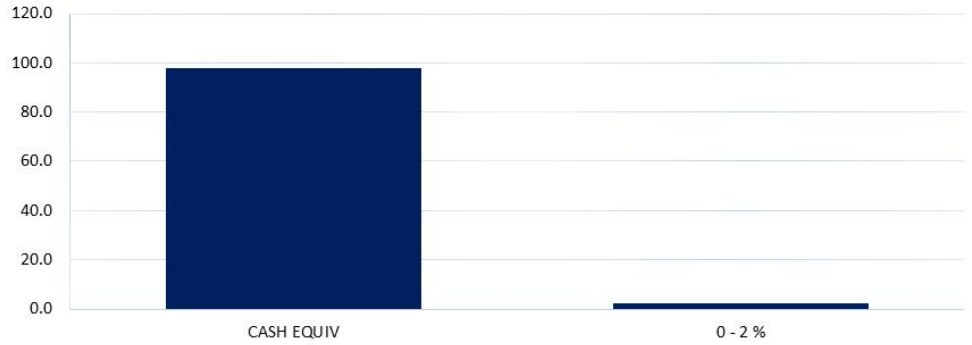
Duration Distribution



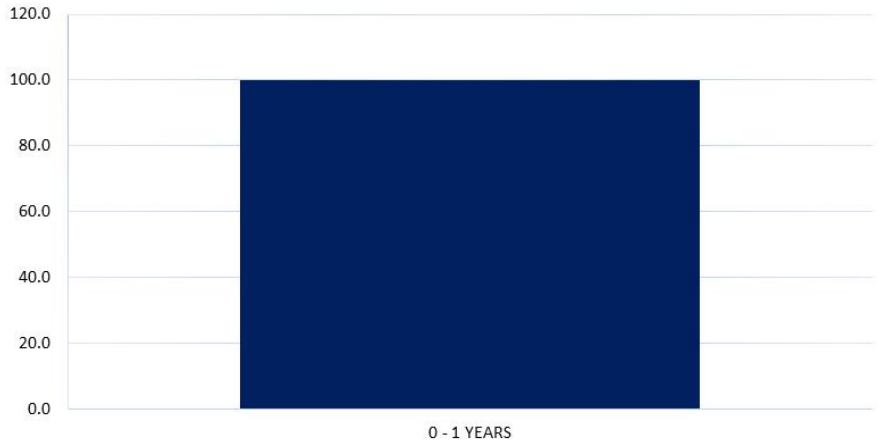
Portfolio Level Characteristics

	POOL 5 LGIP
Weighted Average Life	0.05
Coupon	0.21
Effective Duration	0.05
Quality Rating (Moody's)	AAA

Coupon Distribution



Expected Maturity Distribution



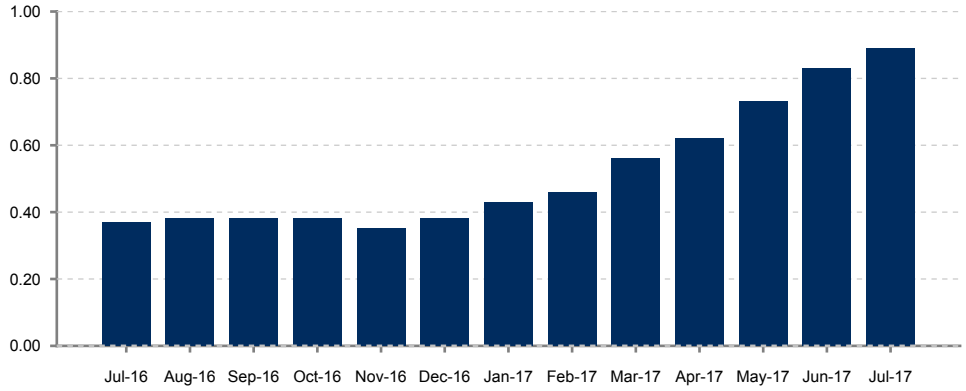
Rating Distribution

OFFICE OF THE ARIZONA STATE TREASURER

July 31, 2017

POOL 7 LGIP FF&C

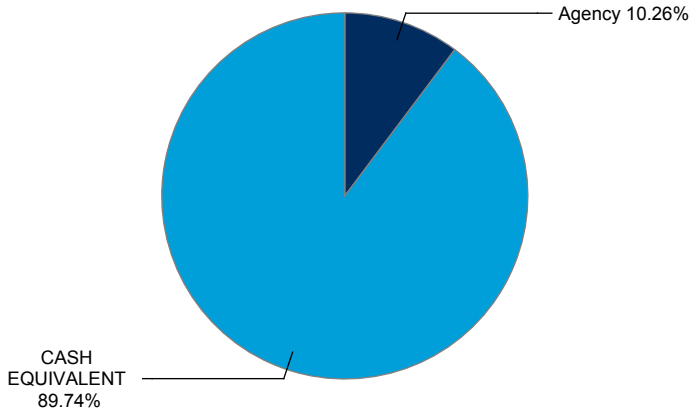
Net Yield



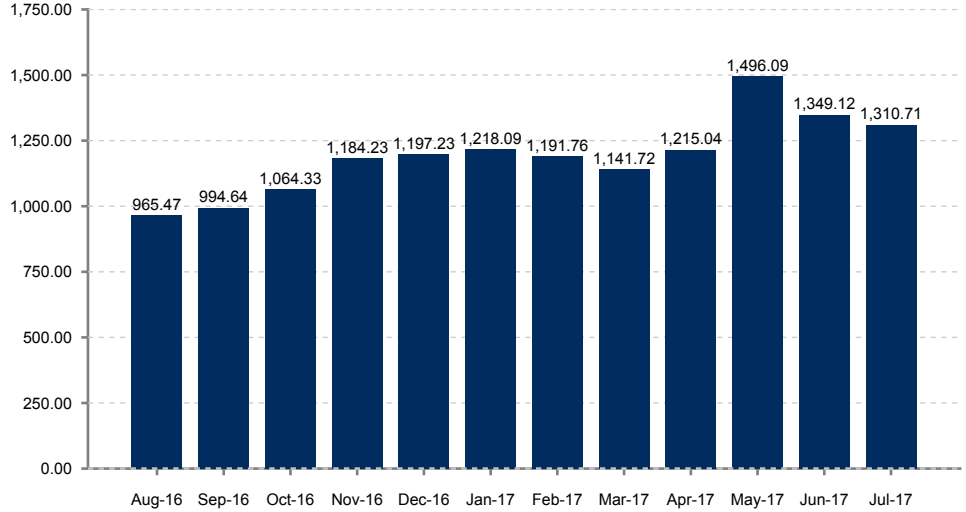
	Current Mth	Prior Mth	1 Year Ago
POOL 7 LGIP FF&C	0.89	0.83	0.37

Asset Allocation

	Ending Market Value
POOL 7 LGIP FF&C	1,310,707,855



Net Asset Values over Time ($MM)



Top 10 Holdings

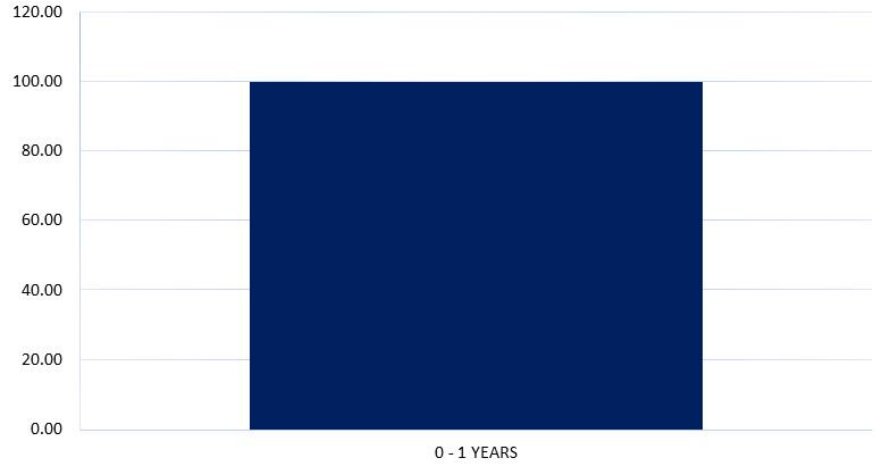
Security Name	Ending Market Value	% of Portfolio
POOL 7 LGIP FF&C		
TREASURY BILL	124,695,154	9.51
TREASURY BILL	119,752,598	9.14
TREASURY BILL	109,812,313	8.38
TREASURY BILL	99,927,942	7.62
GUGGENHEIM SECURITIES REPO	89,223,639	6.81
BMO TRIPARTY MTGE CLAS/ISIT/RTRP MATU//20121224	82,825,344	6.32
TREASURY BILL	79,958,012	6.10
TREASURY BILL	79,916,840	6.10
WELLS FARGO REPO	70,014,156	5.34
TREASURY BILL	69,809,460	5.33

OFFICE OF THE ARIZONA STATE TREASURER

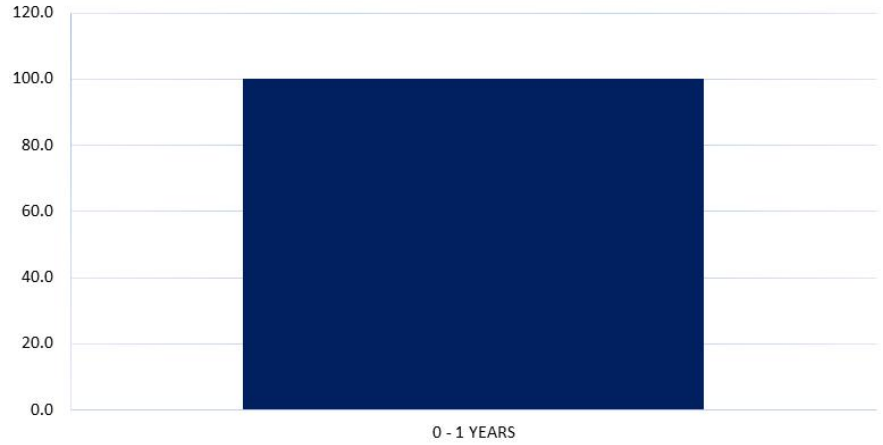
July 31, 2017

POOL 7 LGIP FF&C

Duration Distribution



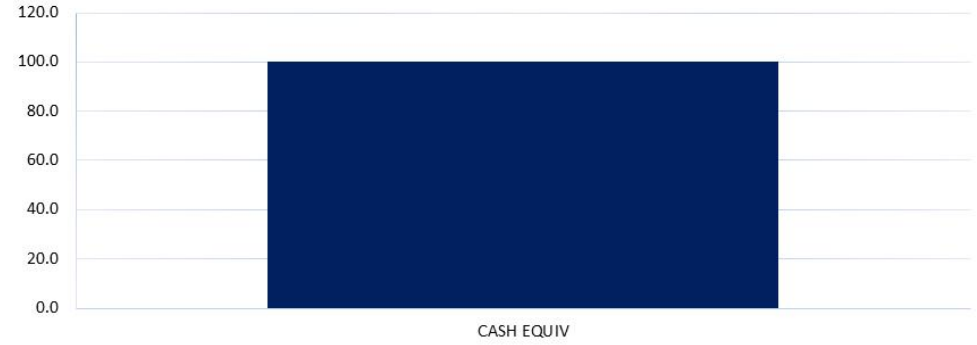
Expected Maturity Distribution



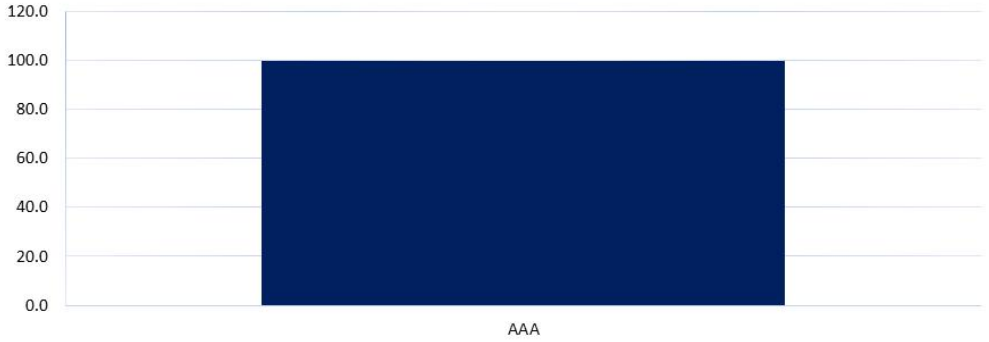
Portfolio Level Characteristics

	POOL 7 LGIP FF&C
Weighted Average Life	0.15
Coupon	0.00
Effective Duration	0.15
Quality Rating (Moody's)	AAA

Coupon Distribution



Rating Distribution

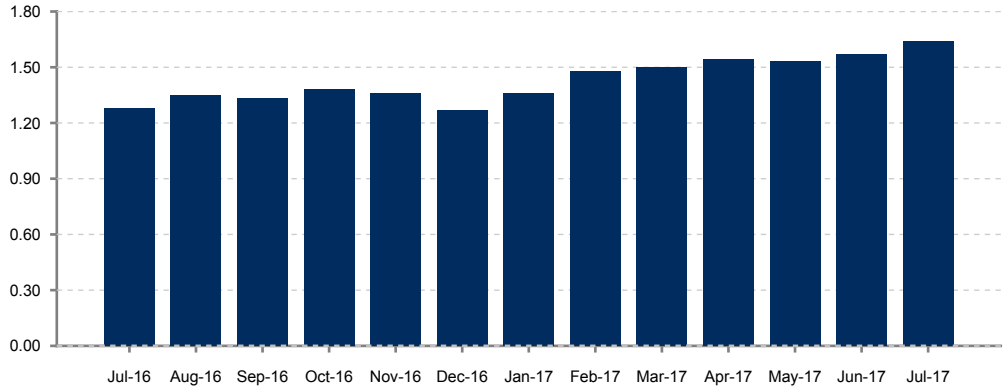


OFFICE OF THE ARIZONA STATE TREASURER

July 31, 2017

POOL 500 LGIP MED

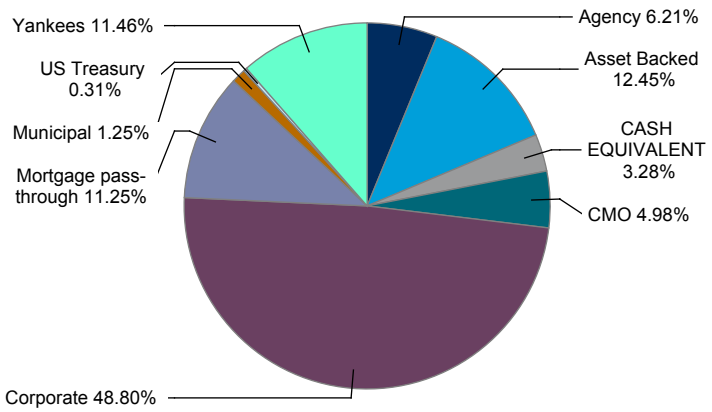
Net Yield



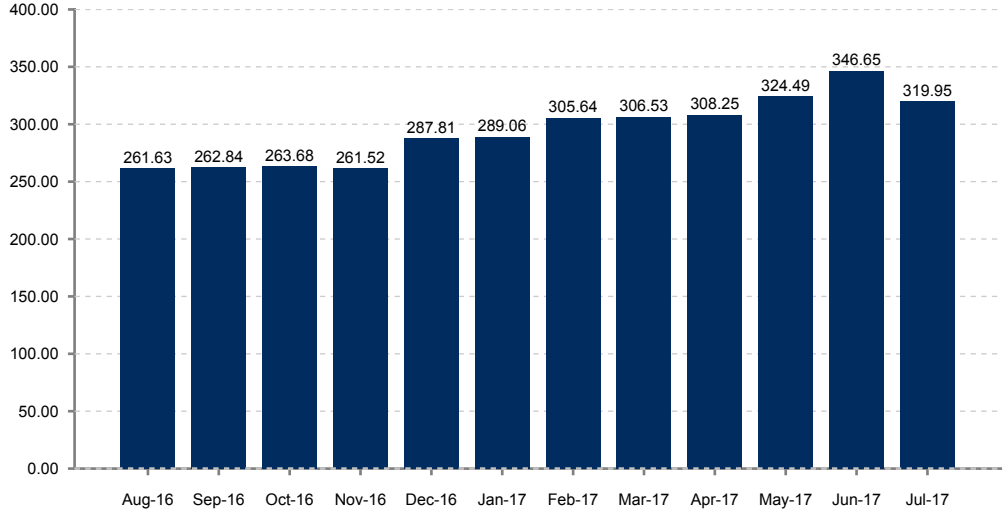
	Current Mth	Prior Mth	1 Year Ago
POOL 500 LGIP MED	1.64	1.57	1.28

Asset Allocation

	Ending Market Value
POOL 500 LGIP MED	319,952,281



Net Asset Values over Time ($MM)



Top 10 Holdings

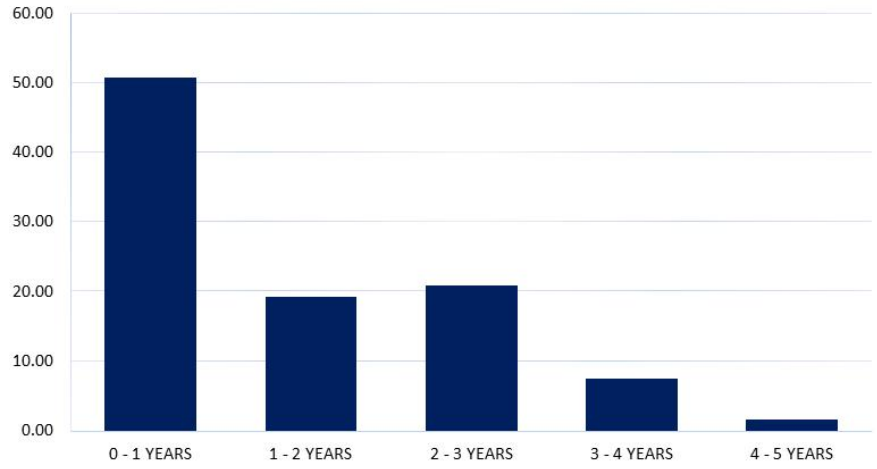
Security Name	Ending Market Value	% of Portfolio
POOL 500 LGIP MED		
MICROSOFT CORP	8,103,927	2.53
GOLDMAN SACHS GROUP INC	7,928,648	2.48
APPLE INC	7,066,861	2.21
FNMA POOL AB5991	6,668,804	2.08
HERSHEY COMPANY	6,054,204	1.89
MERCK + CO INC	5,559,035	1.74
APPLE INC	5,046,469	1.58
CHEVRON CORP	5,026,875	1.57
NISSAN MOTOR ACCEPTANCE	5,026,873	1.57
USAA CAPITAL CORP	5,025,758	1.57

OFFICE OF THE ARIZONA STATE TREASURER

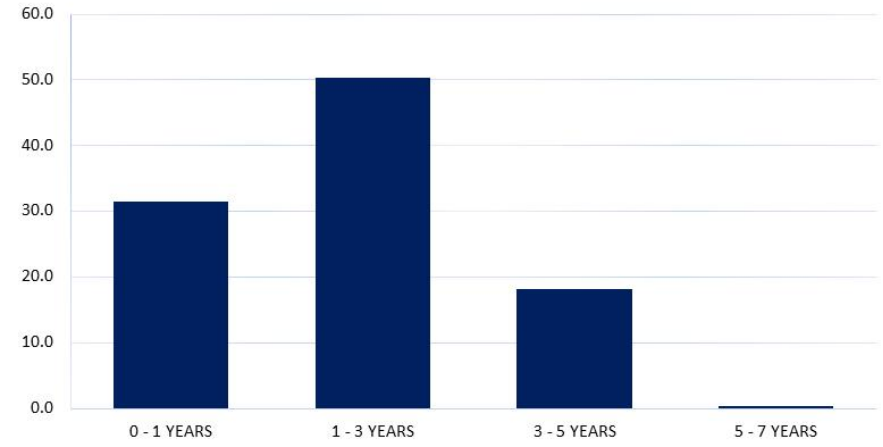
July 31, 2017

POOL 500 LGIP MED

Duration Distribution



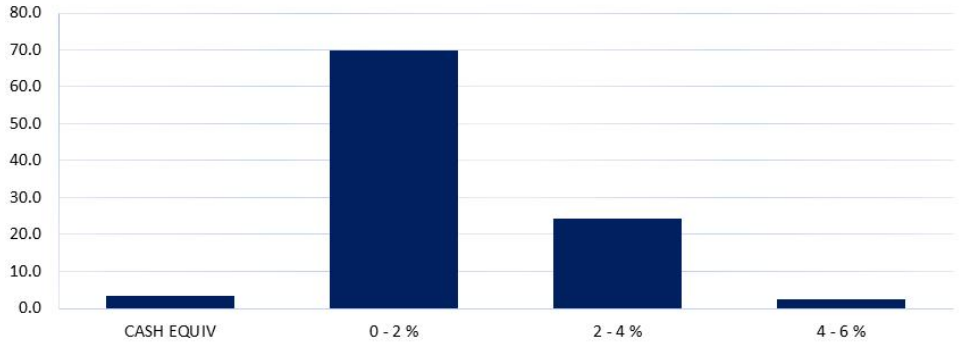
Expected Maturity Distribution



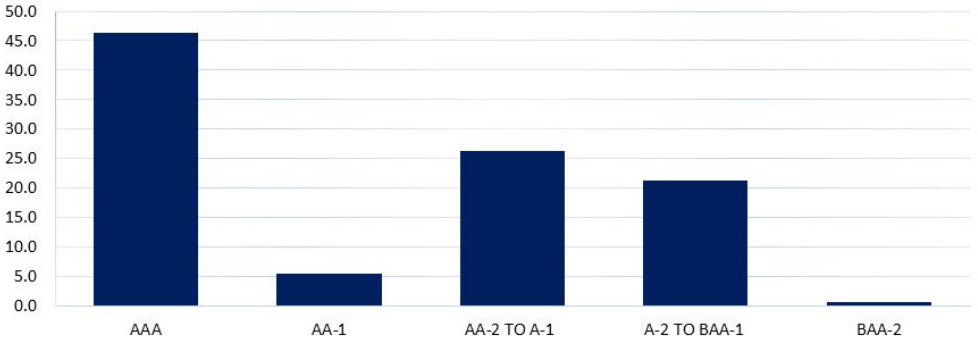
Portfolio Level Characteristics

	POOL 500 LGIP MED
Weighted Average Life	1.97
Coupon	1.85
Effective Duration	1.29
Quality Rating (Moody's)	AA-3

Coupon Distribution



Rating Distribution

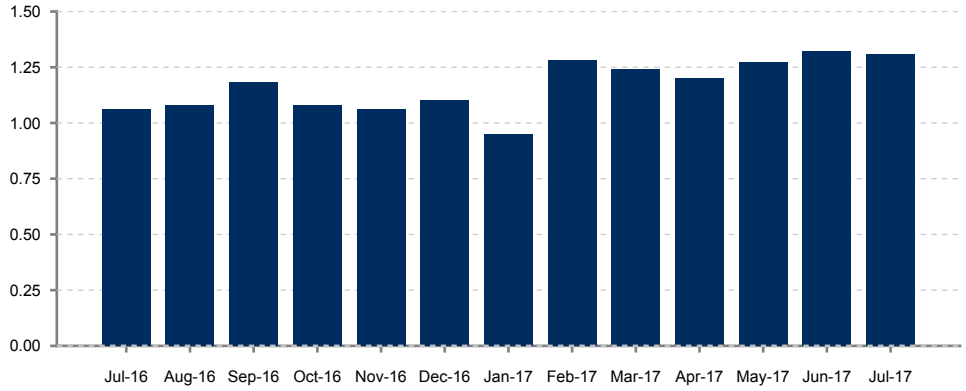


OFFICE OF THE ARIZONA STATE TREASURER

July 31, 2017

POOL 700 LGIP MD FF&C

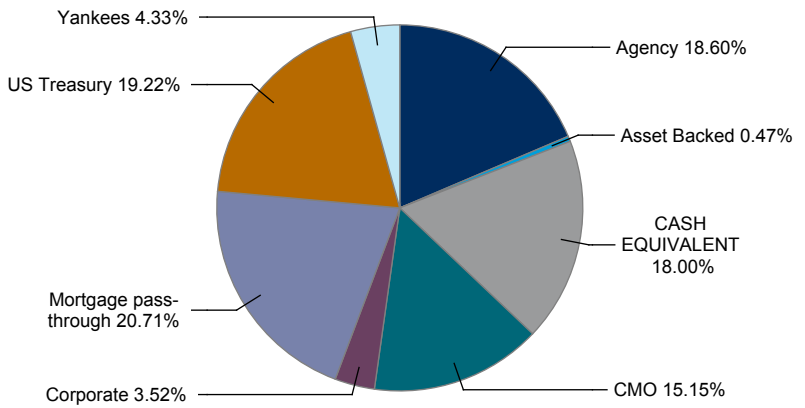
Net Yield



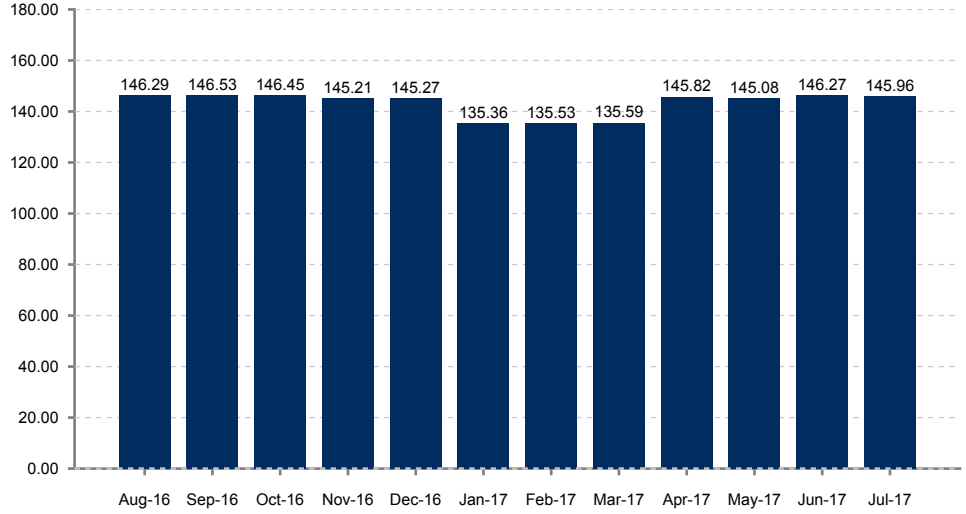
	Current Mth	Prior Mth	1 Year Ago
POOL 700 LGIP MD FF&C	1.31	1.32	1.06

Asset Allocation

	Ending Market Value
POOL 700 LGIP MD FF&C	145,957,694



Net Asset Values over Time ($MM)



Top 10 Holdings

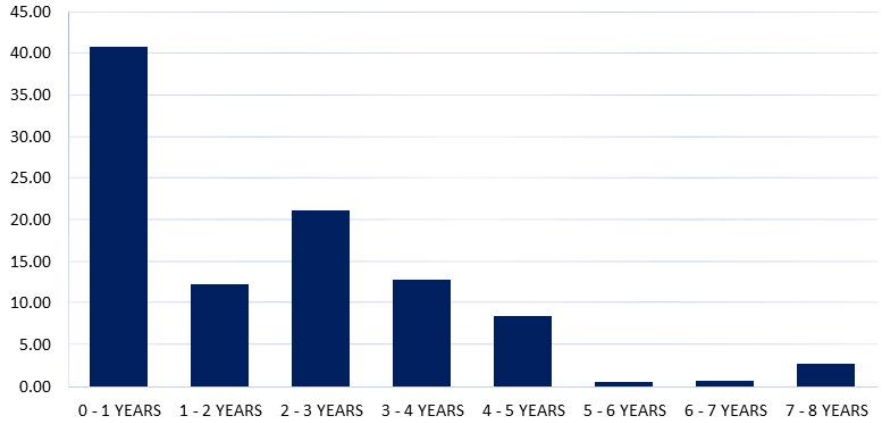
Security Name	Ending Market Value	% of Portfolio
POOL 700 LGIP MD FF&C		
SOUTH STREET REPO	16,000,333	10.96
PRIVATE EXP. FUNDING	9,936,625	6.81
US TREASURY N/B	5,007,852	3.43
US TREASURY N/B	5,005,127	3.43
US TREASURY N/B	5,004,924	3.43
OVERSEAS PRIVATE INV COR	4,536,900	3.11
GNMA II POOL MA0213	4,276,910	2.93
OVERSEAS PRIVATE INV COR	4,000,802	2.74
GOVERNMENT NATIONAL MORTGAGE A	3,839,664	2.63
PRIVATE EXPORT FUNDING	3,520,973	2.41

OFFICE OF THE ARIZONA STATE TREASURER

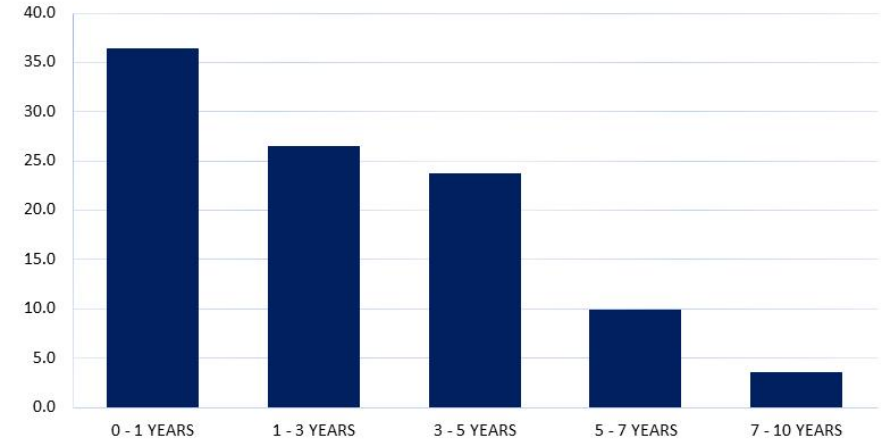
July 31, 2017

POOL 700 LGIP MD FF&C

Duration Distribution



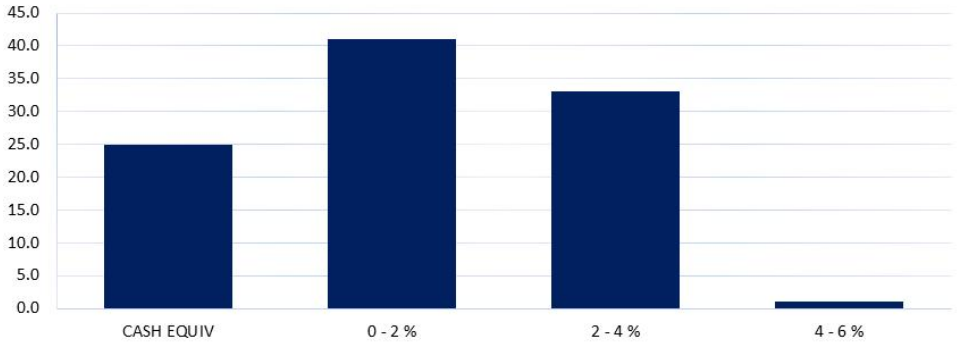
Expected Maturity Distribution



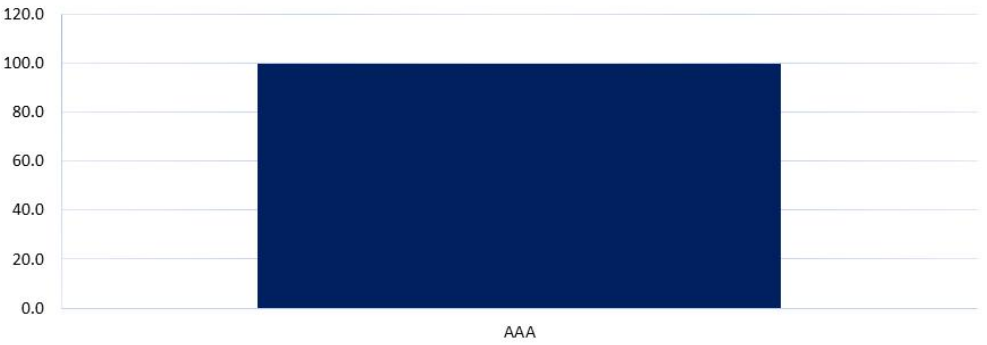
Portfolio Level Characteristics

	POOL 700 LGIP MD FF&C
Weighted Average Life	2.29
Coupon	1.64
Effective Duration	1.96
Quality Rating (Moody's)	AAA

Coupon Distribution



Rating Distribution



EARNINGS DISTRIBUTED
ENDOWMENT FUNDS
JULY 2017

Recipient		Distributed in Current Month JULY 2017	Fiscal YTD 17/18	Fiscal YTD 16/17
101	A & M Colleges	$66,488	$66,488	$62,695
102	State Hospital	42,992	42,992	39,692
103	Leg., Exec., & Jud.	54,897	54,897	51,413
104	Military Institute	3,642	3,642	3,456
105	Miners Hospital	143,641	143,641	126,965
107	Normal School ASU/NAU	26,115	26,115	23,855
108	Penitentiaries	95,352	95,352	85,542
109	Permanent Common School	24,660,436	24,660,436	22,463,210
110	School for Deaf & Blind	35,595	35,595	33,142
111	School of Mines	75,273	75,273	70,914
112	State Charitable-Pioneers Home	370,145	370,145	346,473
112	State Charitable-Corrections	185,072	185,072	173,236
112	State Charitable-Youth Treatment	185,072	185,072	173,236
113	University Fund	132,996	132,996	122,961
114	U of A Land - 1881	433,184	433,184	384,475
	Total	**$26,510,900**	**$26,510,900**	**$24,161,266**

Land Sales Monthly Proceeds
Endowment Funds

	Year						
Month	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
January	3,622,869	21,196,075	85,209,777	29,493,046	7,126,212	5,108,687	2,960,815
February	8,915,155	92,150,173	24,412,865	33,969,801	2,535,244	1,083,178	1,103,303
March	1,244,602	1,015,640	13,469,847	1,323,549	1,096,232	1,106,860	3,045,043
April	2,413,502	1,796,774	4,599,024	2,252,527	1,968,281	28,981,969	78,134,289
May	1,889,780	926,085	12,685,871	1,100,261	19,123,417	20,147,116	27,642,672
June	3,446,620	22,369,423	6,493,351	4,564,719	33,179,898	31,844,678	2,451,110
July	2,803,278	823,328	5,694,705	4,196,738	6,092,396	2,469,997	5,746,802
August	3,470,996	33,621,311	2,304,138	24,838,430	1,038,971	13,094,287	
September	5,202,040	17,307,221	10,399,639	1,960,673	1,967,125	(12,580,728)	
October	5,799,335	1,403,700	1,240,497	3,150,170	2,366,519	10,614,885	
November	2,045,107	5,131,627	8,995,327	34,193,583	1,358,711	28,490,238	
December	5,123,133	28,846,813	3,574,631	1,136,538	4,264,354	6,127,407	
Calendar Year	45,976,416	226,588,170	179,079,672	142,180,034	82,117,360	136,488,573	121,084,034
Fiscal Year (July 1st to June 30th)	139,820,630	163,898,058	234,004,734	104,912,840	134,505,415	105,360,563	163,553,318

NET REALIZED CAPITAL GAINS / LOSSES - ENDOWMENT FUNDS

Endowment Fund	July 2017 NET GAIN(LOSS)	July 2016 NET GAIN(LOSS)
Fixed Income Pool	($418,213)	**($444,346)**
500 Large-Cap Fund	1,746,545	**460,583**
400 Mid-Cap Fund	8,889,006	**0**
600 Small-Cap Fund	640,754	**74,362**
Totals	$10,858,092	**$90,600**

Endowment Fund	2017/2018 FISCAL YEAR TO DATE GAINS(LOSSES)	2016/2017 FISCAL YEAR TO DATE GAINS(LOSSES)
Fixed Income Pool	($418,213)	**($444,346)**
500 Large-Cap Fund	1,746,545	**460,583**
400 Mid-Cap Fund	8,889,006	**0**
600 Small-Cap Fund	640,754	**74,362**
Totals	$10,858,092	**$90,600**

ENDOWMENT FUNDS FIXED-INCOME POOLS
PURCHASES & SALES
JULY 2017

I. Endowment Funds Purchases

POOL	SECURITY DESCRIPTION	RATE	MATURITY	*WAL YEARS	PAR VALUE	PURCHASE COST	YIELD	MOODY'S / S&P RATING
205	FANNIE MAE MTG	3.00	06/25/2043	5.85	$3,010,986	$3,040,249	2.80%	Aaa/AA+
205	FANNIE MAE MTG	3.00	05/25/2041	3.23	2,771,436	2,829,405	2.30%	Aaa/AA+
205	FANNIE MAE MTG	2.68	07/01/2022	4.72	1,856,681	1,904,965	2.15%	Aaa/AA+
205	FANNIE MAE MTG	2.15	09/01/2023	6.01	8,500,000	8,438,316	2.32%	Aaa/AA+
205	FANNIE MAE MTG	4.00	01/01/2046	5.39	4,748,691	5,045,534	2.69%	Aaa/AA+
205	US TREASURY	5.25	02/15/2029	NA	5,000,000	6,548,143	2.38%	Aaa/AA+
205	US TREASURY	5.50	08/15/2028	NA	5,000,000	6,634,066	2.36%	Aaa/AA+
123	INSTIT SECURED CP	1.29	09/05/2017	NA	15,000,000	14,980,650	1.29%	P1/A1
	TOTAL ENDOWMENT FUNDS PURCHASES				**$45,887,795**	**$49,421,329**		

II. Endowment Funds Sales

POOL	SECURITY DESCRIPTION	RATE	MATURITY	PAR VALUE	AMORTIZED COST/PROCEEDS	SALES GAINS/(LOSSES)	MOODY'S / S&P RATING
	TOTAL ENDOWMENT FUNDS SALES			**$0**	**$0**	**$0**	

* 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.

EQUITY FUNDS
PURCHASES & SALES
JULY 2017

I. Equity Fund Purchases

	SHARES	PURCHASE COST	COMMISSIONS
400 Mid-Cap Fund	506,039	$13,860,003	$3,795
500 Large-Cap Fund	124,401	5,485,451	933
600 Small-Cap Fund	108,796	1,781,418	816
TOTAL EQUITY PURCHASES	**739,236**	**$21,126,872**	**$5,544**

II. Equity Funds Sales

	SHARES	SALES AMOUNT	COMMISSIONS
400 Mid-Cap Fund	319,071	$14,386,859	$2,393
500 Large-Cap Fund	83,341	1,881,598	625
600 Small-Cap Fund	93,947	3,144,076	705
TOTAL EQUITY SALES	**496,359**	**$19,412,533**	**$3,723**

ENDOWMENT FUNDS
INVESTMENTS OUTSTANDING
JULY 31, 2017
(In Thousands)

FUND	NAME OF FUND	SHARES OUTSTANDING	BOOK VALUE	MARKET VALUE	UNREALIZED GAINS (LOSSES)	**Mkt Value/ Book Value**
101	A & M Colleges					
	Shares in Equity Pools	415	$2,919	$7,944	$5,025	
	Shares in Fixed Income Pools	4,159	2,978	5,173	2,195	
	Total	4,574	5,896	13,117	7,221	**2.225**
102	State Hospital					
	Shares in Equity Pools	315	2,694	6,040	3,346	
	Shares in Fixed Income Pools	3,247	2,679	4,039	1,360	
	Total	3,563	5,372	10,078	4,706	**1.876**
103	Leg., Exec, & Jud					
	Shares in Equity Pools	337	2,543	6,446	3,904	
	Shares in Fixed Income Pools	3,598	2,578	4,474	1,897	
	Total	3,934	5,120	10,921	5,800	**2.133**
104	Military Institute					
	Shares in Equity Pools	23	179	437	259	
	Shares in Fixed Income Pools	249	176	310	134	
	Total	272	354	747	393	**2.109**
105	Miners Hospital					
	Shares in Equity Pools	983	8,711	18,828	10,117	
	Shares in Fixed Income Pools	9,905	8,625	12,320	3,694	
	Total	10,889	17,336	31,147	13,811	**1.797**
107	Normal School ASU/NAU					
	Shares in Equity Pools	188	1,609	3,593	1,984	
	Shares in Fixed Income Pools	1,939	1,548	2,411	863	
	Total	2,126	3,157	6,005	2,848	**1.902**
108	Penitentiaries					
	Shares in Equity Pools	662	5,613	12,680	7,067	
	Shares in Fixed Income Pools	6,782	5,585	8,435	2,850	
	Total	7,444	11,198	21,115	9,917	**1.886**

ENDOWMENT FUNDS
INVESTMENTS OUTSTANDING
JULY 31, 2017
(In Thousands)

	NAME OF FUND	SHARES OUTSTANDING	BOOK VALUE	MARKET VALUE	UNREALIZED GAINS (LOSSES)	**Mkt Value/ Book Value**
109	Permanent Common School					
	Shares in Equity Pools	166,254	1,352,240	3,183,140	1,830,900	
	Shares in Fixed Income Pools	1,676,532	1,371,821	2,085,176	713,354	
	Total	1,842,786	2,724,062	5,268,316	2,544,254	**1.934**
110	School for Deaf & Blind					
	Shares in Equity Pools	241	1,998	4,606	2,608	
	Shares in Fixed Income Pools	2,693	2,117	3,349	1,232	
	Total	2,934	4,115	7,956	3,841	**1.933**
111	School of Mines					
	Shares in Equity Pools	470	3,525	8,991	5,466	
	Shares in Fixed Income Pools	4,833	3,589	6,012	2,423	
	Total	5,303	7,114	15,003	7,889	**2.109**
112	State Charitable					
	Shares in Equity Pools	4,728	35,615	90,516	54,901	
	Shares in Fixed Income Pools	46,058	36,536	57,284	20,748	
	Total	50,785	72,151	147,800	75,650	**2.048**
113	University Fund					
	Shares in Equity Pools	855	6,779	16,377	9,597	
	Shares in Fixed Income Pools	8,816	6,721	10,965	4,244	
	Total	9,671	13,501	27,341	13,841	**2.025**
114	U Of A Land - 1881					
	Shares in Equity Pools	3,211	31,271	61,483	30,213	
	Shares in Fixed Income Pools	33,043	28,533	41,097	12,564	
	Total	36,254	59,803	102,580	42,777	**1.715**
	TOTALS - ALL FUNDS					
	Shares in Equity Pools	178,682	1,455,695	3,421,082	1,965,388	
	Shares in Fixed Income Pools	1,801,854	1,473,485	2,241,045	767,560	
	Grand Total	$1,980,536	$2,929,180	$5,662,127	$2,732,948	
	PRIOR YEAR: JULY 2016 BALANCES	**$2,027,334**	**$2,960,199**	**$5,276,022**	**$2,315,823**	

ENDOWMENT FUNDS
INVESTMENTS OUTSTANDING
JULY 31, 2017

ASSET ALLOCATION PERCENTAGE

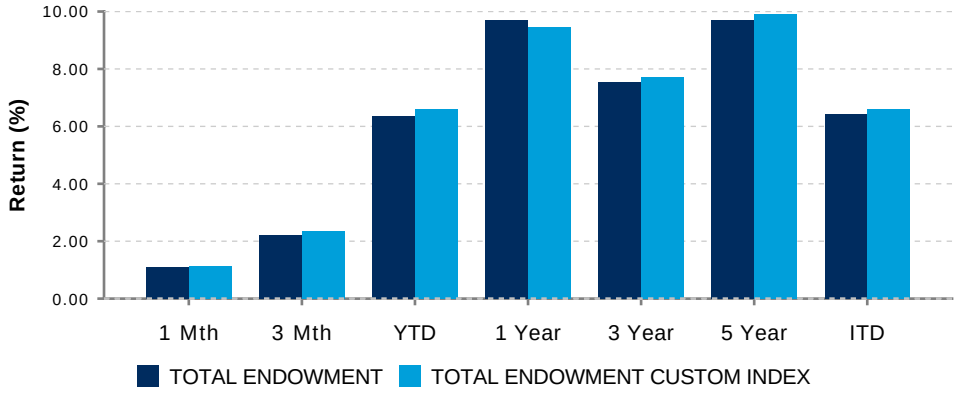
	SHARES OUTSTANDING	**BOOK VALUE**	MARKET VALUE	JULY 2016 MARKET VALUE
Shares in Equity Pools	9.02%	**49.70%**	60.42%	60.93%
Shares in Fixed Income Pools	90.98%	**50.30%**	39.58%	39.07%
Total	100.00%	**100.00%**	100.00%	100.00%

OFFICE OF THE ARIZONA STATE TREASURER

July 31, 2017

Total Endowment Summary

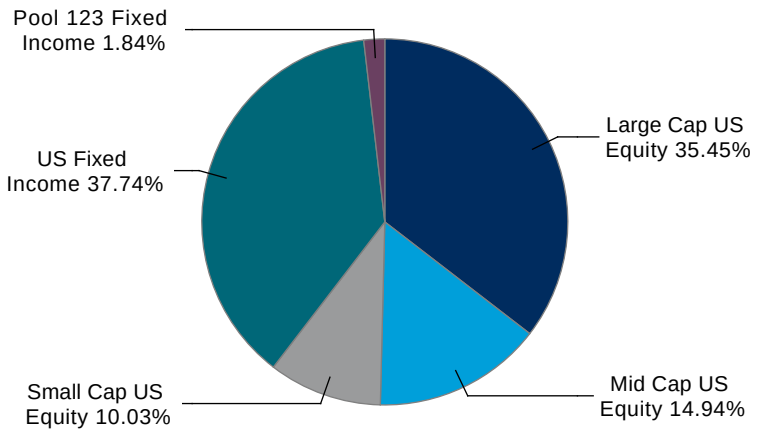
Performance



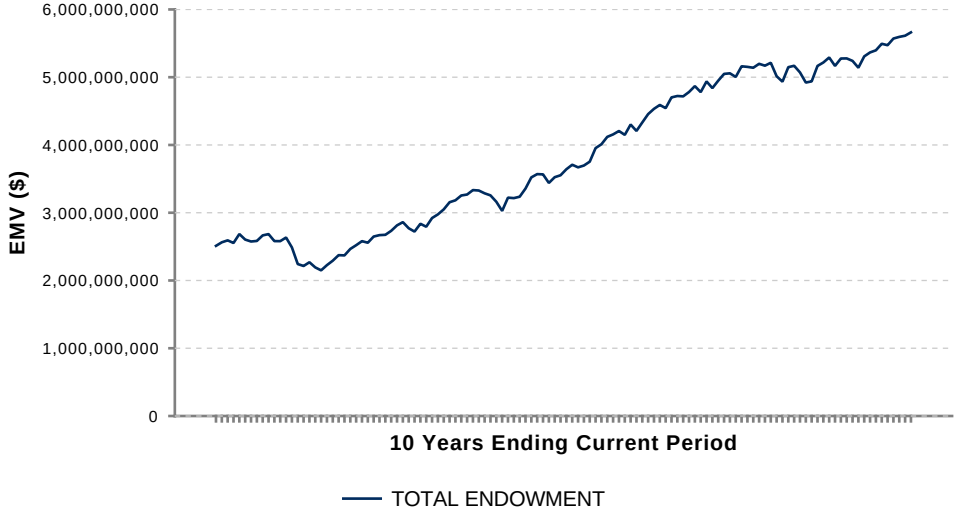
	1 Mth	3 Mth	YTD	1 Year	3 Year	5 Year	ITD	Incept Date
TOTAL ENDOWMENT	1.11	2.20	6.34	9.70	7.53	9.71	6.42	07/99
TOTAL ENDOWMENT CUSTOM INDEX	1.12	2.36	6.59	9.44	7.72	9.92	6.60	07/99
Excess	-0.01	-0.16	-0.24	0.26	-0.19	-0.21	-0.19	

Asset Allocation

	Ending Market Value
TOTAL ENDOWMENT	5,662,127,211

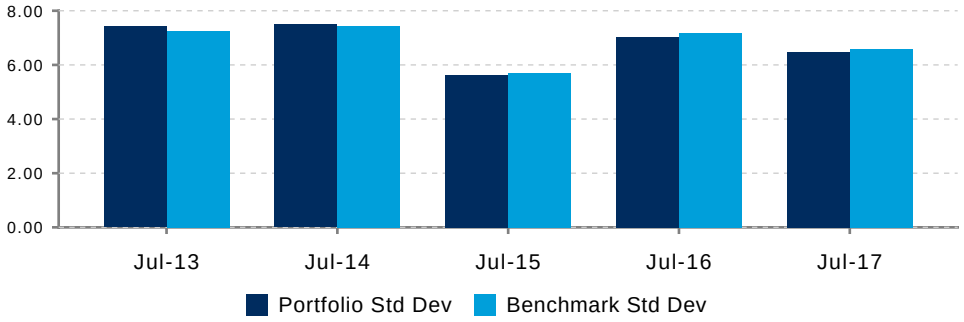


Ending Market Value



3 Year Risk Statistics

	Return	Portfolio Std Dev	Benchmark Std Dev	Sharpe Ratio	Beta	Tracking Error	Information Ratio
TOTAL ENDOWMENT	7.53	6.48	6.59	1.12	0.98	0.37	-0.51

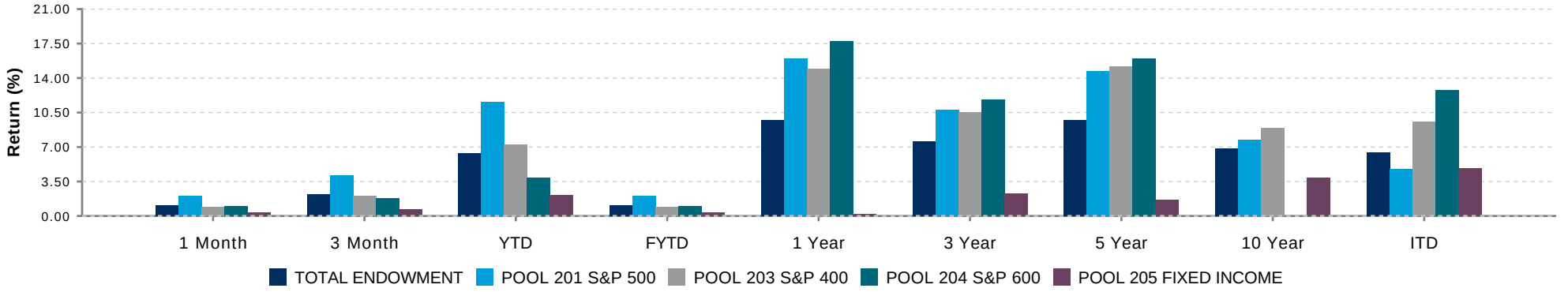


OFFICE OF THE ARIZONA STATE TREASURER

July 31, 2017

Total Returns Net Mgr

Return Comparison



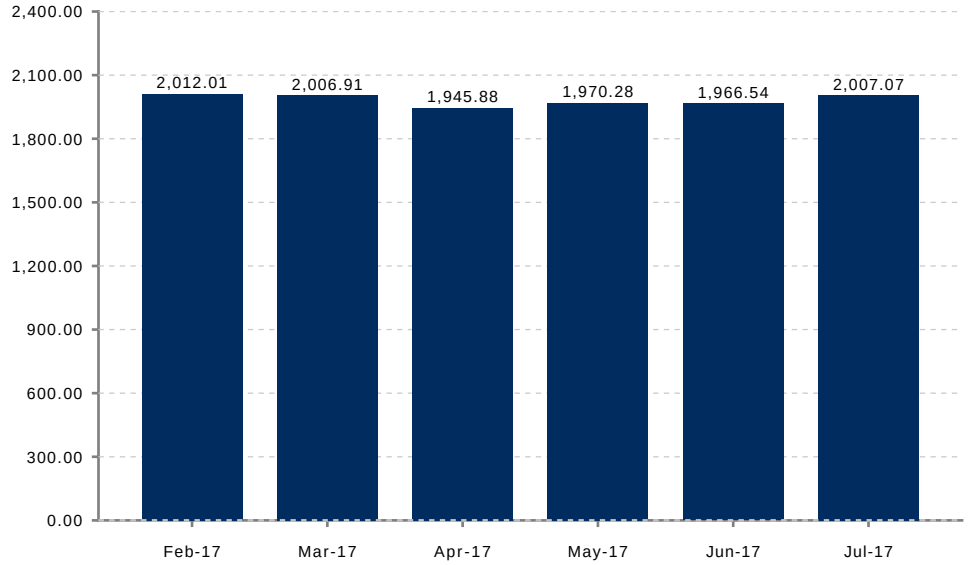
	Market Value	Actual Weight	1 Mth	3 Mth	YTD	FYTD	1 Year	3 Year	5 Year	10 Year	ITD	Inc Date
TOTAL ENDOWMENT	5,662,127,211	100.00	1.11	2.20	6.34	1.11	9.70	7.53	9.71	6.83	6.42	Jul-01-99
TOTAL ENDOWMENT CUSTOM INDEX			1.12	2.36	6.59	1.12	9.44	7.72	9.92	7.17	6.60	Jul-01-99
Excess			-0.01	-0.16	-0.24	-0.01	0.26	-0.19	-0.21	-0.33	-0.19	
POOL 201 S&P 500	2,007,066,984	35.45	2.06	4.16	11.60	2.06	16.02	10.80	14.72	7.77	4.78	Jul-01-99
S&P 500 INDEX (DAILY)			2.06	4.14	11.59	2.06	16.04	10.87	14.78	7.74	5.30	Jul-01-99
Excess			0.00	0.02	0.01	0.00	-0.02	-0.07	-0.06	0.03	-0.52	
POOL 203 S&P 400	845,872,869	14.94	0.91	2.08	7.21	0.91	14.90	10.56	15.19	8.97	9.55	Aug-01-01
S&P 400 MIDCAP INDEX (DAILY)			0.88	2.02	6.92	0.88	14.69	10.44	15.13	9.13	9.55	Aug-01-01
Excess			0.03	0.06	0.29	0.03	0.21	0.11	0.06	-0.16	0.00	
POOL 204 S&P 600	568,142,354	10.03	0.99	1.80	3.91	0.99	17.73	11.79	15.95		12.81	Mar-01-11
S&P SM 600 TR			0.97	1.78	3.79	0.97	17.66	11.76	15.88		12.77	Mar-01-11
Excess			0.02	0.02	0.13	0.02	0.07	0.03	0.07		0.04	
POOL 205 FIXED INCOME	2,136,878,845	37.74	0.40	0.68	2.10	0.40	0.19	2.32	1.63	3.87	4.82	Jul-01-99
CITIGROUP BIG (DAILY)			0.45	1.14	2.80	0.45	-0.47	2.73	2.02	4.53	5.14	Jul-01-99
Excess			-0.05	-0.47	-0.70	-0.05	0.66	-0.41	-0.39	-0.66	-0.32	
POOL 123 FIXED INCOME	104,166,160	1.84	0.10	0.28	0.57	0.10	0.91				0.83	Jun-01-16
ASTO-POOL 5 BENCHMARK			0.08	0.24	0.47	0.08	0.66				0.63	Jun-01-16
Excess			0.01	0.04	0.10	0.01	0.25				0.20	

OFFICE OF THE ARIZONA STATE TREASURER

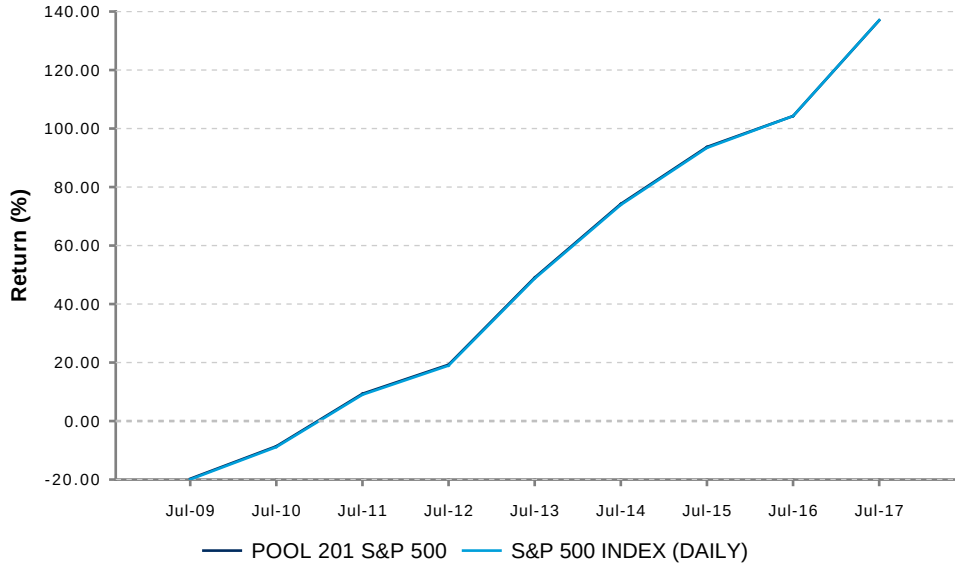
July 31, 2017

POOL 201 S&P 500

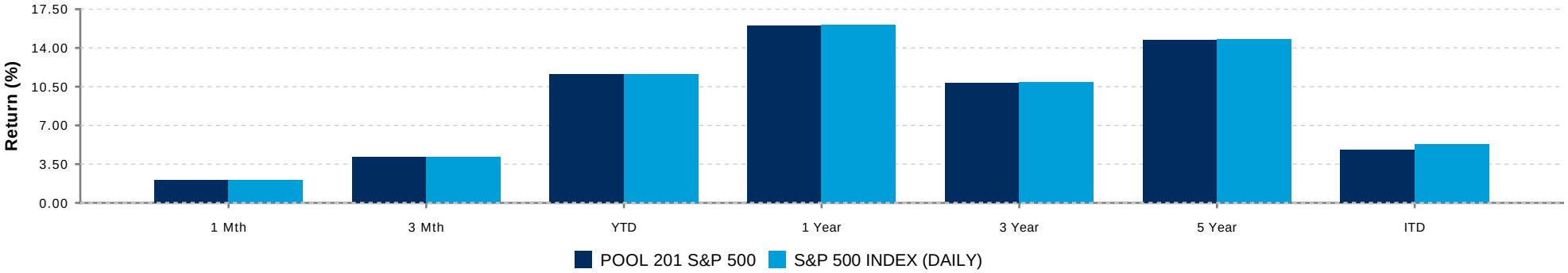
Net Asset Values over Time ($MM)



Cumulative Return (%)



Rates of Return

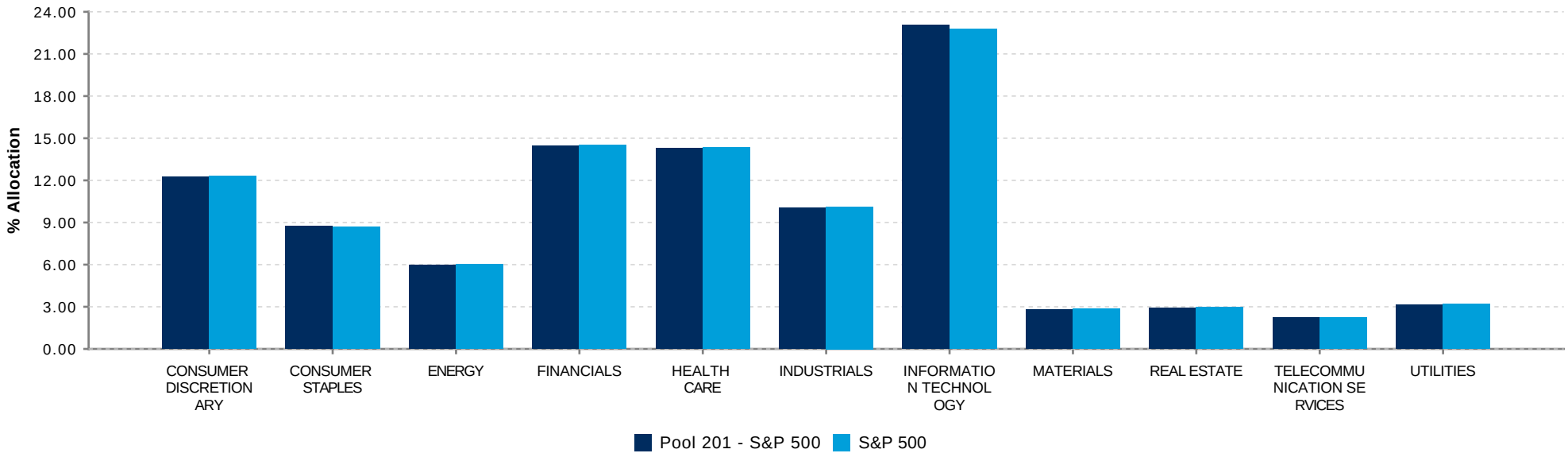


	1 Mth	3 Mth	YTD	1 Year	3 Year	5 Year	ITD	Jul 31 2017	Jul 31 2016	Jul 31 2015
POOL 201 S&P 500	2.06	4.16	11.60	16.02	10.80	14.72	4.78	16.02	5.46	11.17
S&P 500 INDEX (DAILY)	2.06	4.14	11.59	16.04	10.87	14.78	5.30	16.04	5.61	11.21
Excess	0.00	0.02	0.01	-0.02	-0.07	-0.06	-0.52	-0.02	-0.16	-0.04

OFFICE OF THE ARIZONA STATE TREASURER

July 31, 2017

POOL 201 S&P 500
Sector Allocation vs S&P 500



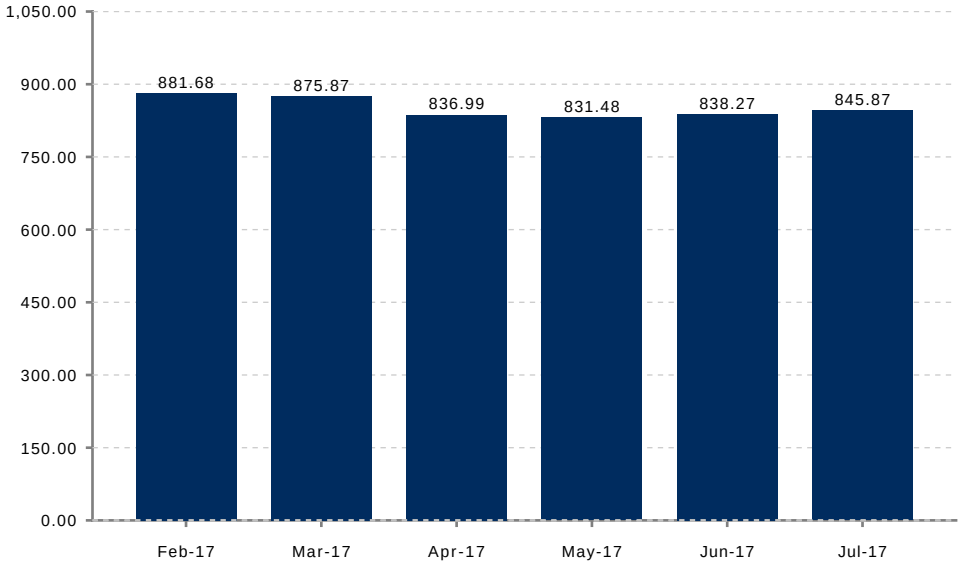
	Fund Weight	Benchmark Weight	Relative Weight
POOL 201 S&P 500	100.00	100.00	0.00
CONSUMER DISCRETIONARY	12.23	12.27	-0.04
CONSUMER STAPLES	9.03	9.05	-0.01
ENERGY	5.99	6.01	-0.02
FINANCIALS	14.49	14.55	-0.06
HEALTH CARE	14.45	14.51	-0.05
INDUSTRIALS	10.22	10.28	-0.06
INFORMATION TECHNOLOGY	22.54	22.26	0.28
MATERIALS	2.84	2.85	-0.01
REAL ESTATE	2.92	2.93	-0.01
TELECOMMUNICATION SERVICES	2.13	2.14	-0.01
UTILITIES	3.15	3.16	-0.01

OFFICE OF THE ARIZONA STATE TREASURER

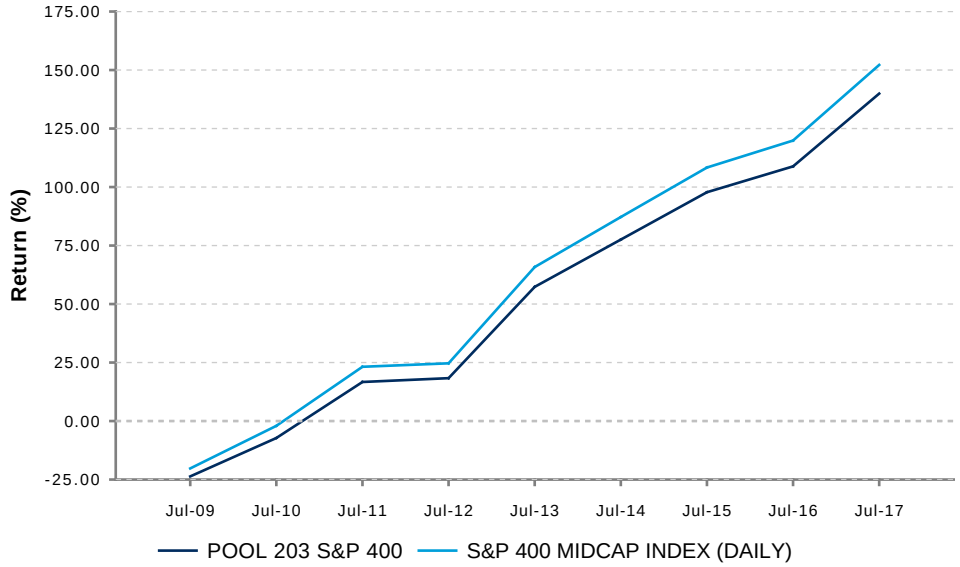
July 31, 2017

POOL 203 S&P 400

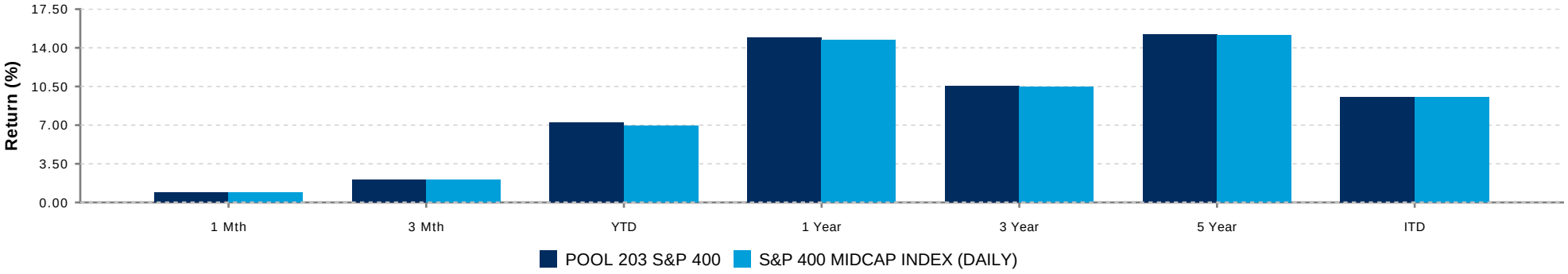
Net Asset Values over Time ($MM)



Cumulative Return (%)



Rates of Return

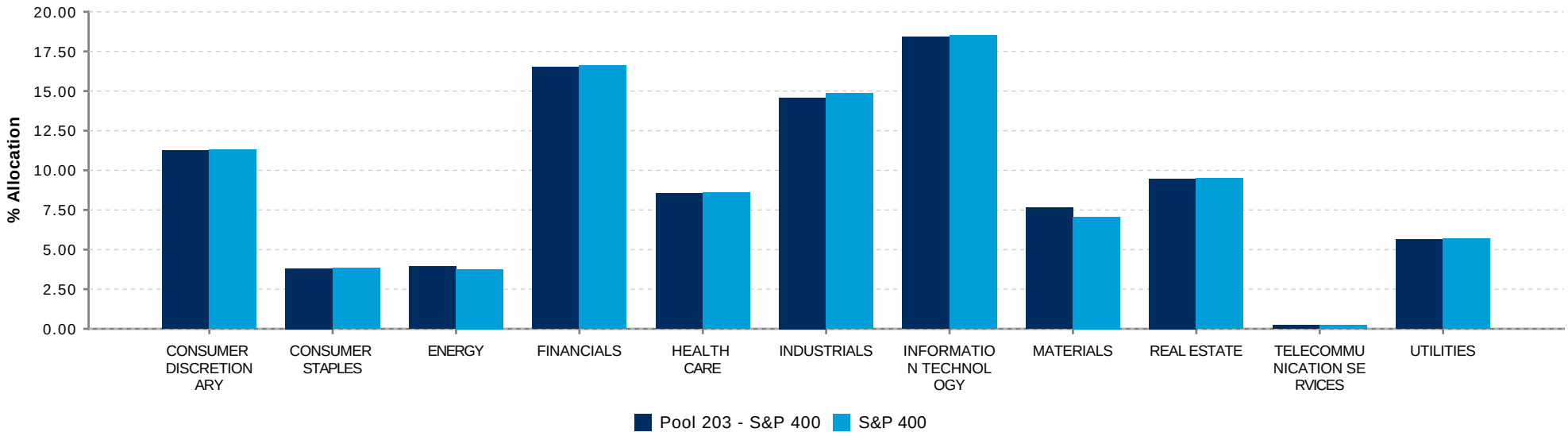


	1 Mth	3 Mth	YTD	1 Year	3 Year	5 Year	ITD	Jul 31 2017	Jul 31 2016	Jul 31 2015
POOL 203 S&P 400	0.91	2.08	7.21	14.90	10.56	15.19	9.55	14.90	5.59	11.39
S&P 400 MIDCAP INDEX (DAILY)	0.88	2.02	6.92	14.69	10.44	15.13	9.55	14.69	5.53	11.30
Excess	0.03	0.06	0.29	0.21	0.11	0.06	0.00	0.21	0.05	0.09

OFFICE OF THE ARIZONA STATE TREASURER

July 31, 2017

POOL 203 S&P 400
Sector Allocation vs S&P MID CAP 400



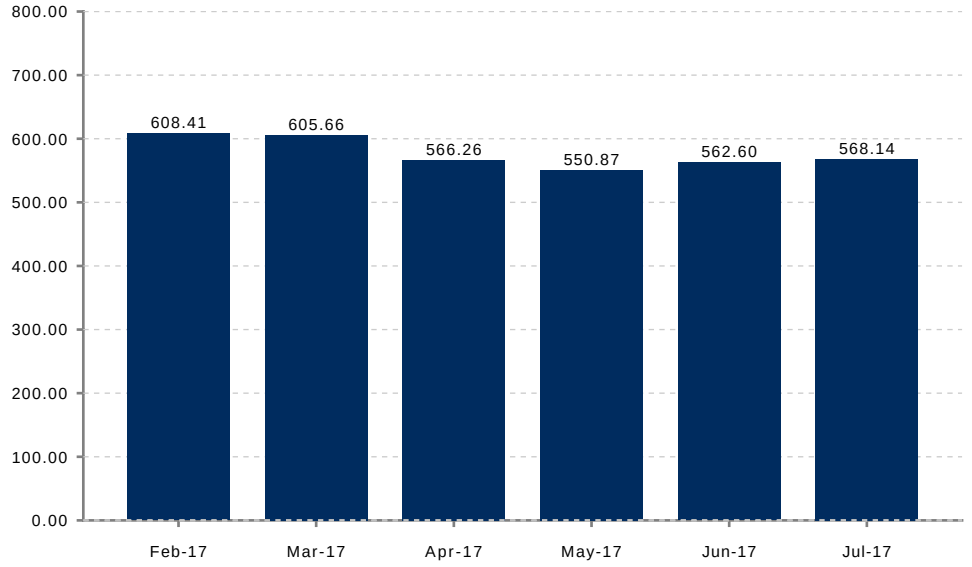
	Weight Fund	Weight Benchmark	Weight Relative
POOL 203 S&P 400	100.00	100.00	0.00
CONSUMER DISCRETIONARY	11.73	11.71	0.02
CONSUMER STAPLES	3.73	3.72	0.01
ENERGY	3.17	2.97	0.20
FINANCIALS	16.39	16.41	-0.02
HEALTH CARE	9.15	9.14	0.01
INDUSTRIALS	14.94	15.09	-0.15
INFORMATION TECHNOLOGY	17.60	17.78	-0.19
MATERIALS	7.62	7.60	0.02
REAL ESTATE	9.93	9.85	0.08
TELECOMMUNICATION SERVICES	0.24	0.24	-0.00
UTILITIES	5.52	5.50	0.03

OFFICE OF THE ARIZONA STATE TREASURER

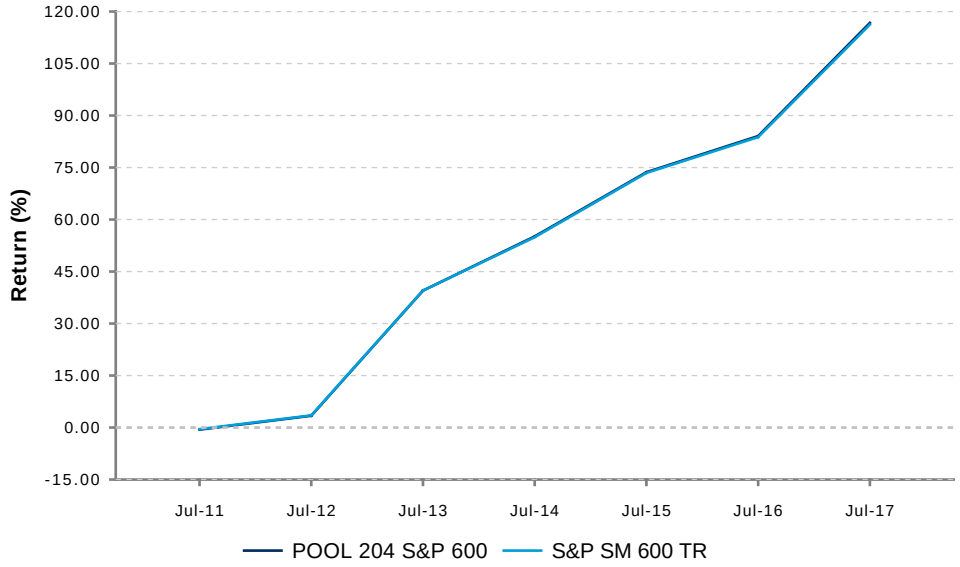
July 31, 2017

POOL 204 S&P 600

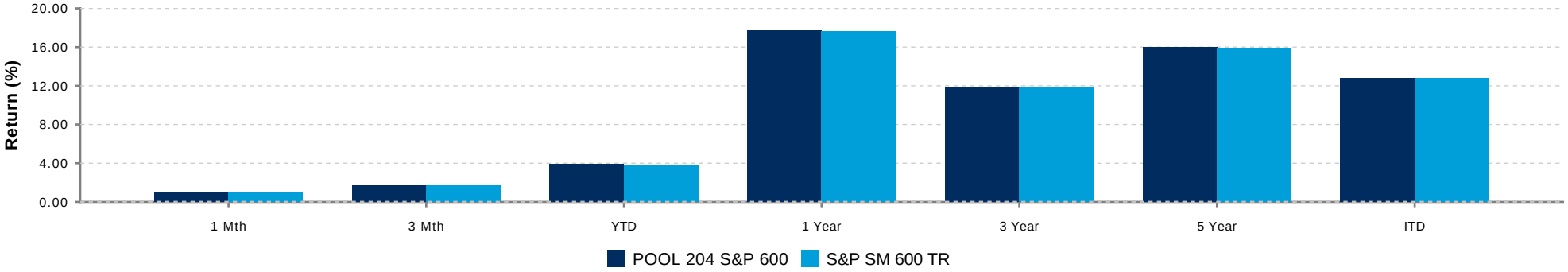
Net Asset Values over Time ($MM)



Cumulative Return (%)



Rates of Return

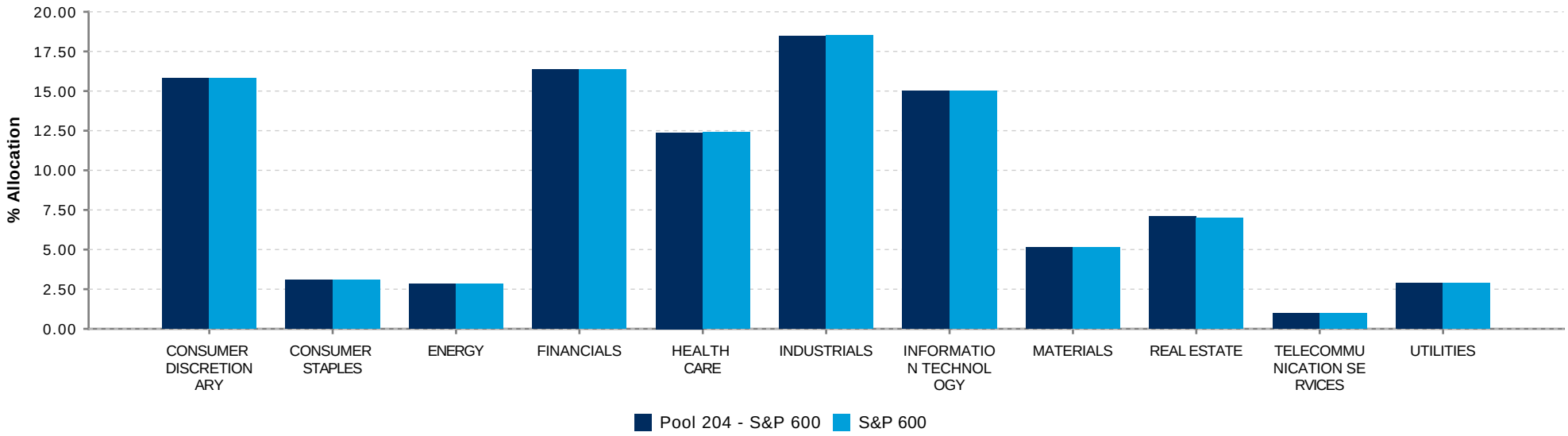


	1 Mth	3 Mth	YTD	1 Year	3 Year	5 Year	ITD	Jul 31 2017	Jul 31 2016	Jul 31 2015
POOL 204 S&P 600	0.99	1.80	3.91	17.73	11.79	15.95	12.81	17.73	6.00	11.94
S&P SM 600 TR	0.97	1.78	3.79	17.66	11.76	15.88	12.77	17.66	5.96	11.97
Excess	0.02	0.02	0.13	0.07	0.03	0.07	0.04	0.07	0.04	-0.03

OFFICE OF THE ARIZONA STATE TREASURER

July 31, 2017

POOL 204 S&P 600
Sector Allocation vs S&P SMALLCAP 600



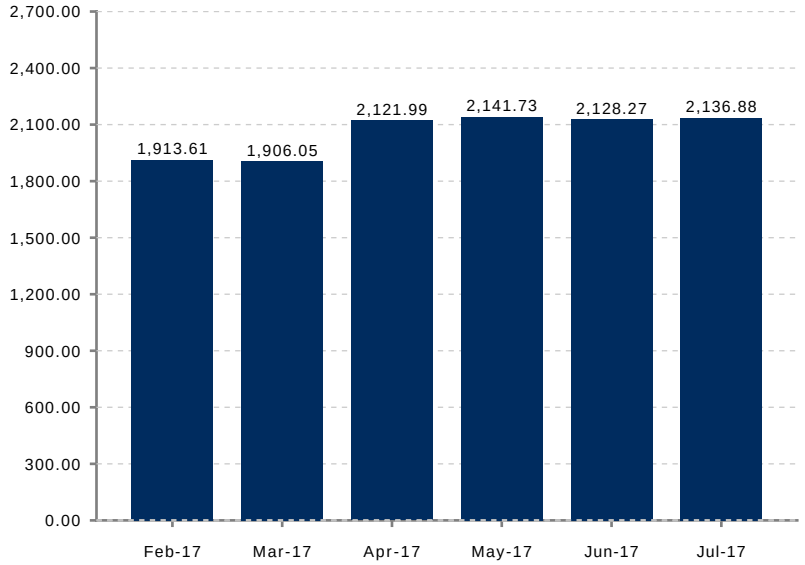
	Weight Fund	Weight Benchmark	Weight Relative
POOL 204 S&P 600	100.00	100.00	0.00
CONSUMER DISCRETIONARY	15.77	15.83	-0.06
CONSUMER STAPLES	3.02	3.02	-0.01
ENERGY	2.79	2.83	-0.05
FINANCIALS	16.32	16.37	-0.05
HEALTH CARE	12.61	12.68	-0.07
INDUSTRIALS	18.93	19.01	-0.08
INFORMATION TECHNOLOGY	14.75	14.46	0.29
MATERIALS	5.21	5.23	-0.02
REAL ESTATE	6.88	6.85	0.03
TELECOMMUNICATION SERVICES	0.97	0.97	-0.00
UTILITIES	2.75	2.75	-0.01

OFFICE OF THE ARIZONA STATE TREASURER

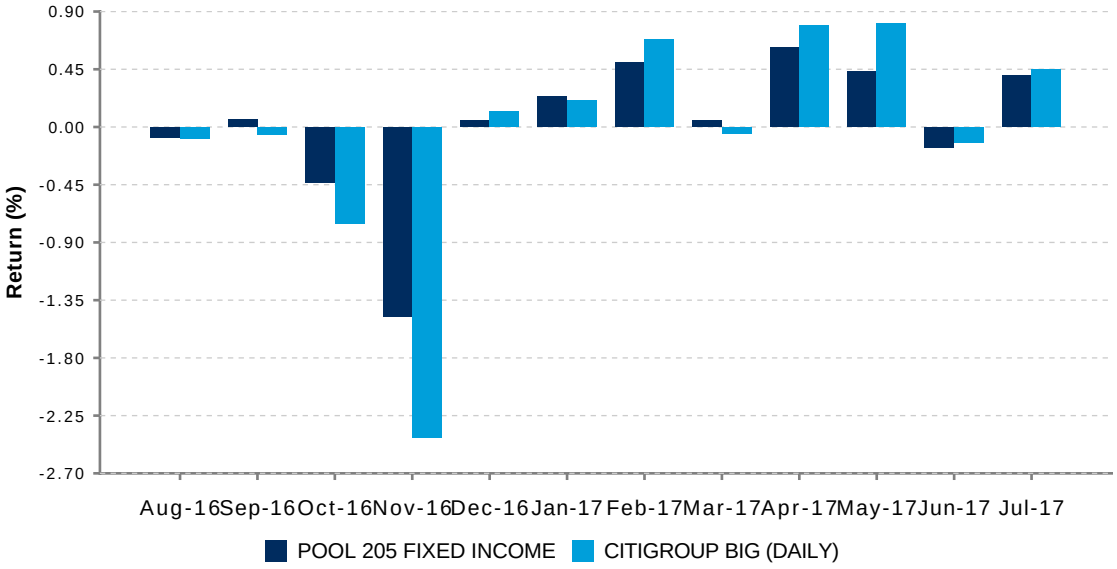
July 31, 2017

POOL 205 FIXED INCOME

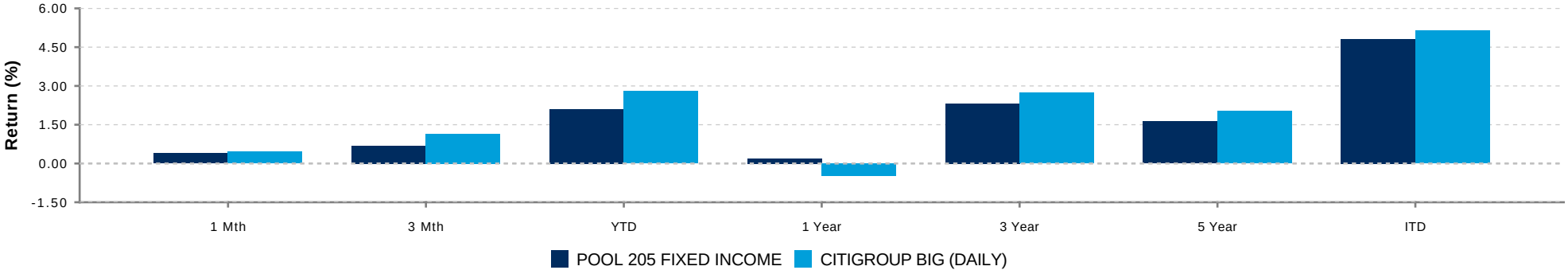
Net Asset Values over Time ($MM)



Monthly Returns



Rates of Return



	1 Mth	3 Mth	YTD	1 Year	3 Year	5 Year	ITD	Jul 31 2017	Jul 31 2016	Jul 31 2015
POOL 205 FIXED INCOME	0.40	0.68	2.10	0.19	2.32	1.63	4.82	0.19	4.38	2.43
CITIGROUP BIG (DAILY)	0.45	1.14	2.80	-0.47	2.73	2.02	5.14	-0.47	5.97	2.79
Excess	-0.05	-0.47	-0.70	0.66	-0.41	-0.39	-0.32	0.66	-1.59	-0.36

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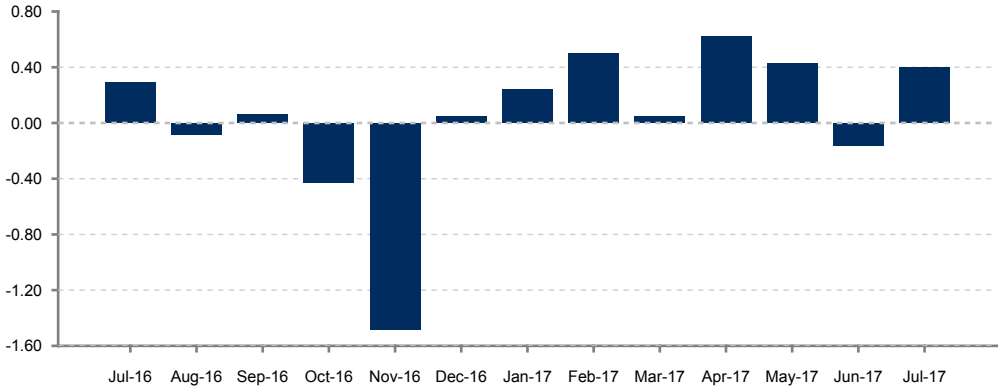
July 31, 2017

POOL 205 FIXED INCOME

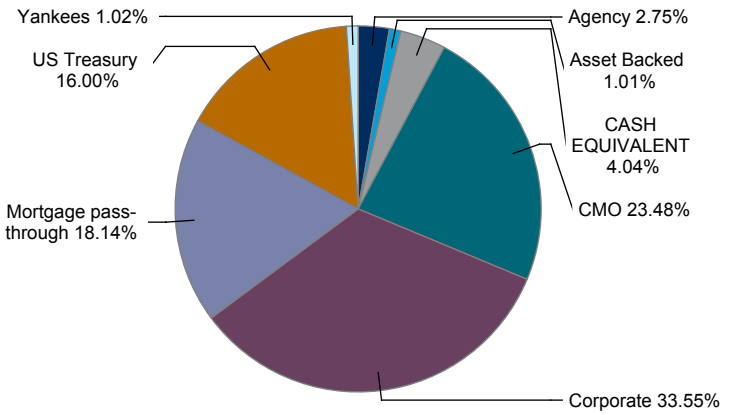
Net Mgr Return



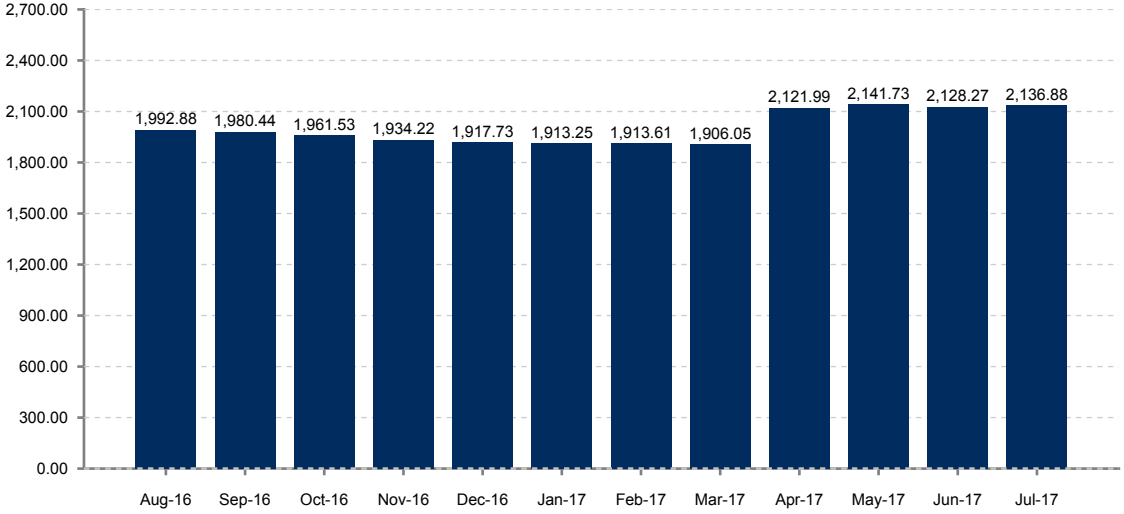
	Current Mth	Prior Mth	1 Year Ago
POOL 205 FIXED INCOME	0.40	-0.16	0.29

Asset Allocation

	Ending Market Value
POOL 205 FIXED INCOME	2,136,878,845



Net Asset Values over Time ($MM)



Top 10 Holdings

Security Name	Ending Market Value	% of Portfolio
POOL 205 FIXED INCOME		
BLACKROCK PROV TEMP	52,802,506	2.47
US TREASURY N/B	28,385,444	1.33
US TREASURY N/B	28,035,290	1.31
US TREASURY N/B	23,301,354	1.09
US TREASURY N/B	20,930,798	0.98
US TREASURY N/B	20,433,035	0.96
PEPSICO INC	20,201,594	0.95
PNC BANK NA	20,121,045	0.94
US TREASURY N/B	17,265,590	0.81
US TREASURY N/B	17,123,390	0.80

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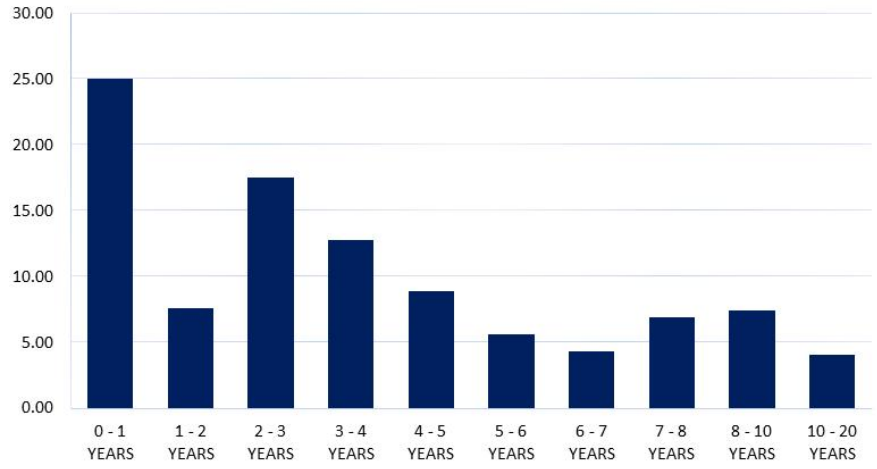
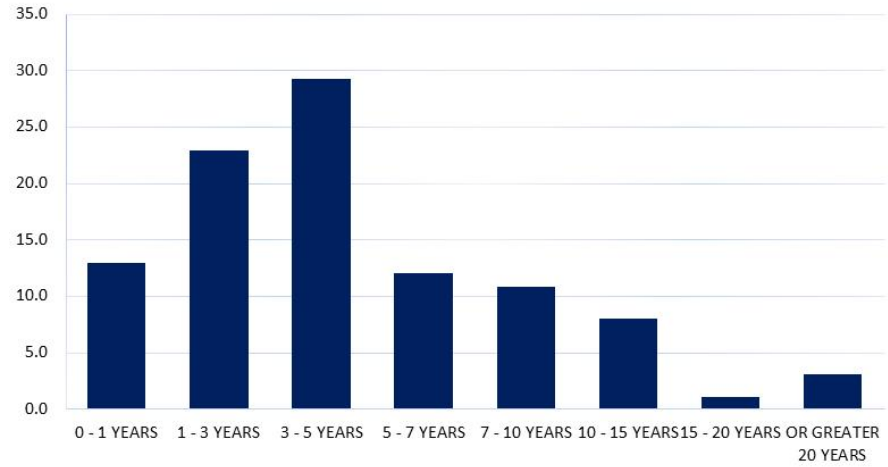
POOL 205 FIXED INCOME

Duration Distribution



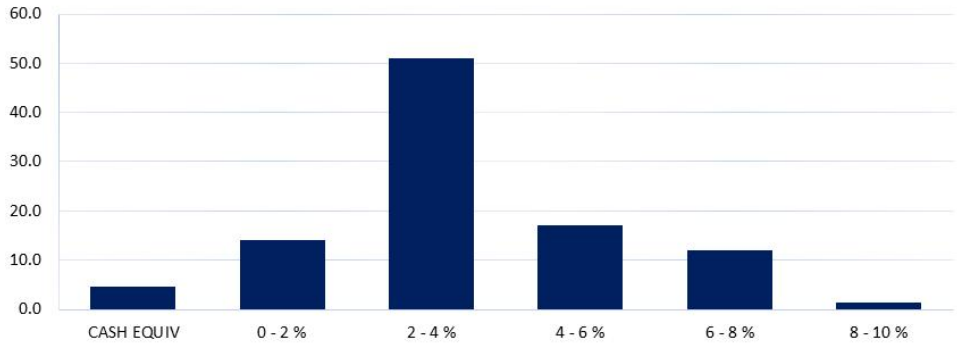
Expected Maturity Distribution



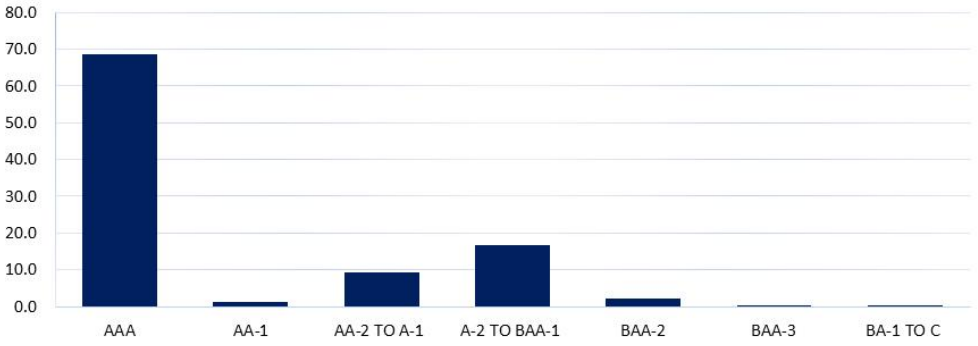
Portfolio Level Characteristics

	POOL 205 FIXED INCOME
Weighted Average Life	5.06
Coupon	3.65
Effective Duration	3.72
Quality Rating (Moody's)	AA-2

Coupon Distribution



Rating Distribution



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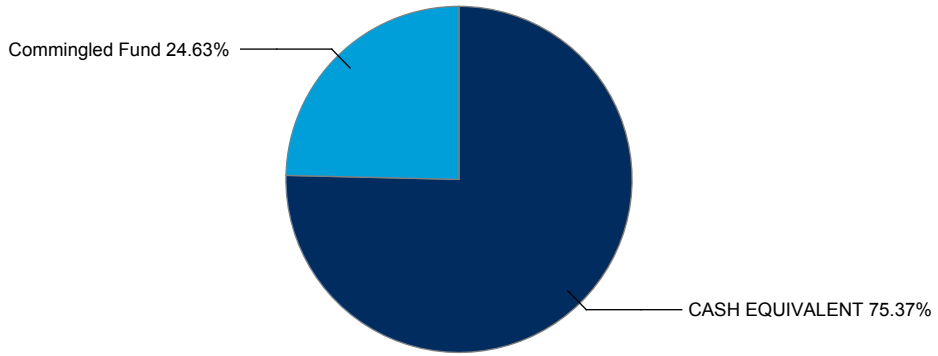
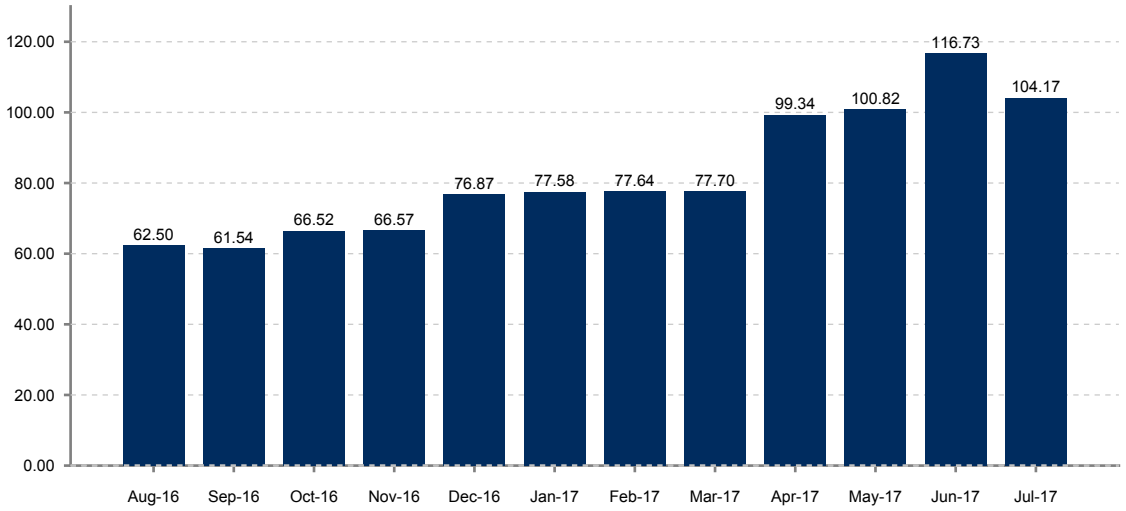
POOL 123 ST

Asset Allocation

	Ending Market Value
POOL 123 ST	104,166,160



Net Asset Values over Time ($MM)



Top 10 Holdings

Security Name	Ending Market Value	% of Portfolio
POOL 123 ST		
LOCAL GOVERNMENT INV	26,642,413	25.58
HALKIN FINANCE LLC USC	24,982,917	23.98
BLACKROCK PROV TEMP	16,582,685	15.92
MOUNTCLIFF	14,984,625	14.39
INSTITUTIONAL SECURED	14,981,187	14.38

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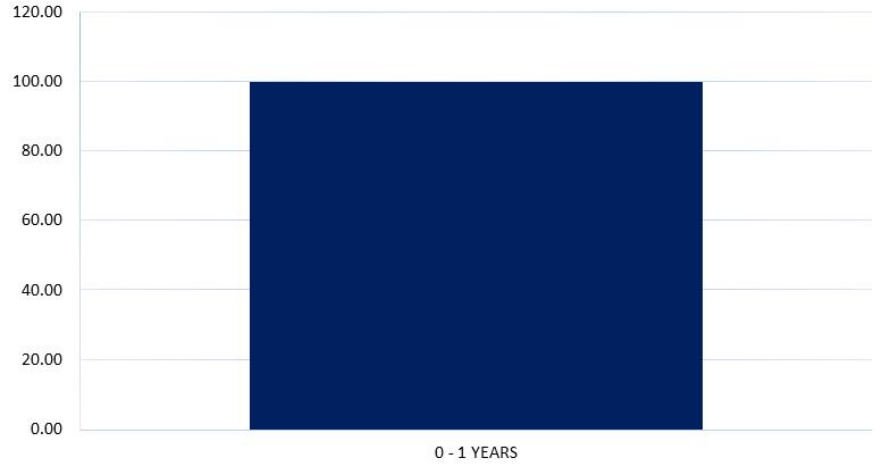
POOL 123 ST

Duration Distribution

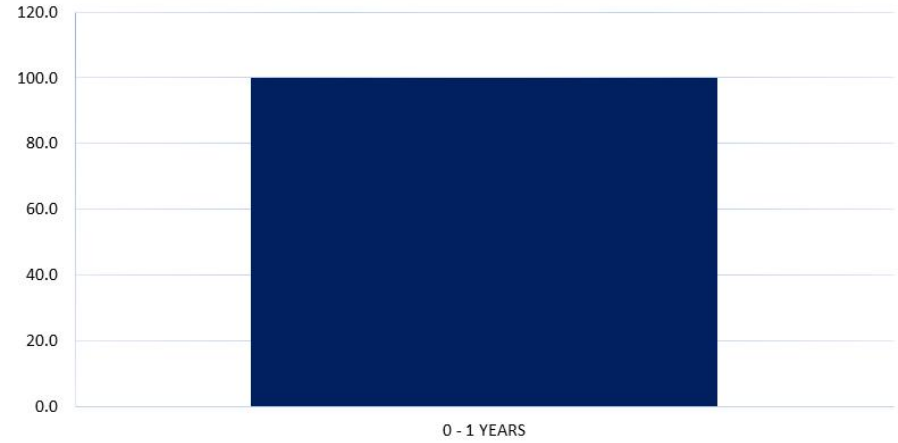


Portfolio Level Characteristics

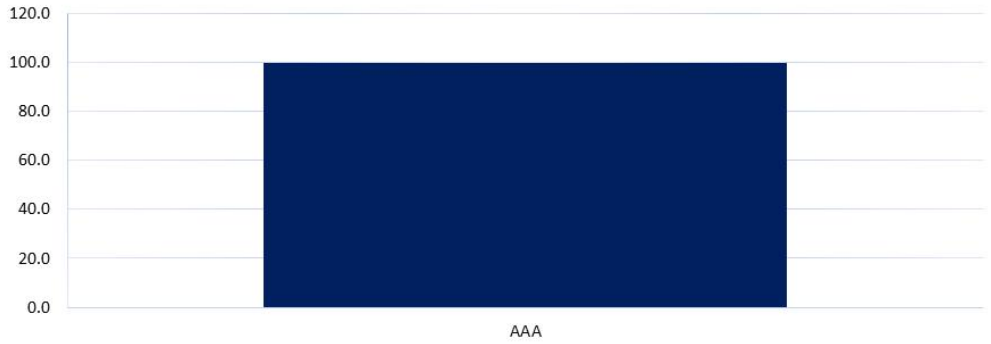
	POOL 123 ST
Weighted Average Life	0.05
Coupon	0.00
Effective Duration	0.04
Quality Rating (Moody's)	AAA

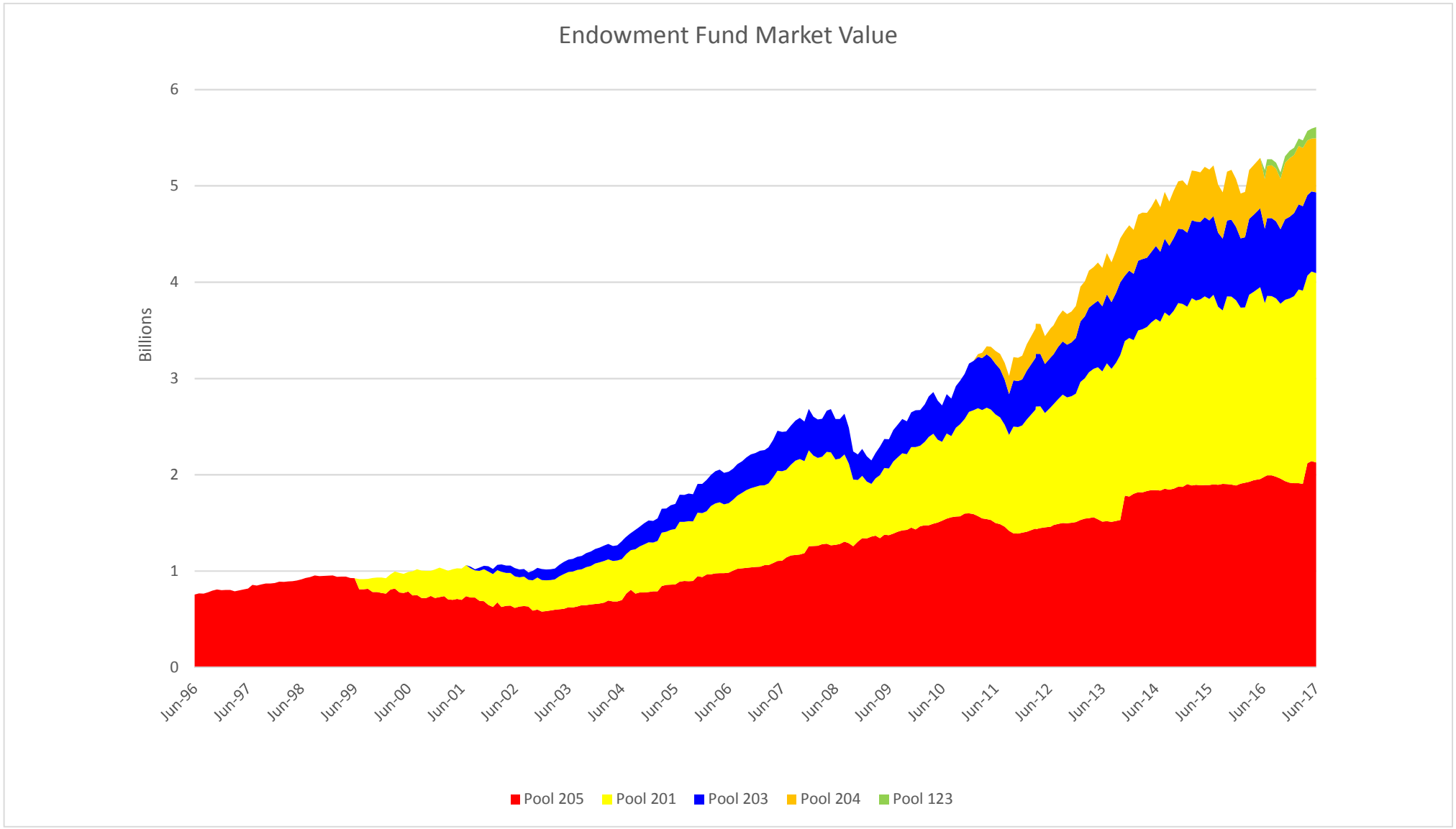
Coupon Distribution

Expected Maturity Distribution



Rating Distribution




Endowment Fund Market Value
Billions
6
5
4
3
2
1
0
Jun-96
Jun-97
Jun-98
Jun-99
Jun-00
Jun-01
Jun-02
Jun-03
Jun-04
Jun-05
Jun-06
Jun-07
Jun-08
Jun-09
Jun-10
Jun-11
Jun-12
Jun-13
Jun-14
Jun-15
Jun-16
Jun-17
Pool 205
Pool 201
Pool 203
Pool 204
Pool 123