

### **Kimberly Yee**

THE TREATMENT OF THE PARTY OF T

TREASURER

### SEPTEMBER 2021

# Presented To: Arizona State Board of Investment

October 26, 2021

#### STATE BOARD OF INVESTMENT

#### <u>**A** G E N D A</u>

#### October 26, 2021

1.	Call to Order; Opening Remarks The Honorable Kimberly Yee, Chair	r
2.	Approval of Minutes of September 28, 2021, BOI Meeting	
3.	Investment Outlook and Summary Review of Treasurer's Monthly Reports	
	A. State Agency Earnings Distributions	)
	State Agency Operating Average Invested Balances	
	State Agency Investments and Performance Reports	
	B. LGIP Yield Analysis	r
	LGIP Pools Investments and Performance Reports	
	C. Endowment Earnings Distributions Tim White, Director of Endowment	S
	Land Sales Monthly Proceeds Endowment Funds	
	Endowment Investments and Performance Reports	
4.	Approval of September 2021 Report	
5.	AZ 529 Monthly Report	
	A. Monthly Program and Marketing Review Fareed Bailey, 529 Administrato	r
	Shaandiin Parrish, 529 Marketing Coordinator	ſ
	B. Program Provider Contract UpdatesMark Swenson, Deputy Treasure	r
	1.) Approval of addendum to contract with Ivy Distributor's, Inc. and Macquarie	
	Asset Management Group on changes to offered investment funds	
	2.) Discussion on Fidelity Investments Stable Value Fund offering	
	3.) College Savings Bank Transition	
6.	Treasurer's Report	ir
7.	Market Outlook	r
8.	Call to the Public	
9.	Notice of Next Meeting	
10.	Adjournment	

#### REPORT OF THE STATE TREASURER

#### **FOR**

#### October 26, 2021

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#### Minutes of BOARD OF INVESTMENT MEETING September 28, 2021

The regular meeting of the State Board of Investment was held on September 28, 2021, via WebEx. Treasurer Kimberly Yee called the meeting to order at 1:33 p.m.

#### **Members Present:**

The Honorable Kimberly Yee, Chair, State Treasurer Harry A. Papp, CFA & Managing Partner, L. Roy Papp & Associate Evan Daniels, Director of Department of Insurance and Financial Institutions

#### **Members Absent:**

Beth Ford, Pima County Treasurer, Excused

#### **Designee Present:**

Ashley Ruiz, Assistant Director of Office of Business and Finance, for Andy Tobin, Director of the Department of Administration

#### **Others Present:**

Mark Swenson, Deputy Treasurer, Arizona State Treasurer's Office
Tim White, Director of Endowments, Arizona State Treasurer's Office
Jake Richardson, Portfolio Manager, Local Government Investment Pool, ASTO
Eric Stivers, Financial Analyst, Arizona State Treasurer's Office
Jackie Harding, Deputy Treasurer, Arizona State Treasurer's Office
Michael Leslein, Investment Accounting Manager, Arizona State Treasurer's Office
Fareed Bailey, Director of Legislative Affairs, Arizona State Treasurer's Office
Nick Barnhiser, IT Director, Arizona State Treasurer's Office
Ken Price, Director of Human Resources, Arizona State Treasurer's Office
Hannah Roehr, Public Information Officer, Arizona State Treasurer's Office
Tiffany Spudich, Chief Client Officer and Partner, Capital Cities, LLC
Mike Calvanico, Snell and Wilmer, Counsel

#### 1. Call to Order

Treasurer Yee called the September 28, 2021, BOI meeting to order at 1:33 p.m.

#### **Treasurer's Comments**

Treasurer Yee welcomed the Board members and staff to the meeting. During Roll Call Treasurer Ford's absence was noted. Treasurer Yee received Treasurer Ford's email regarding her absence and approved the absence as Excused.

#### 2. Approval of Minutes

Mr. Papp moved that the August 31, 2021, meeting minutes be approved as distributed. Seconded by Director Daniels. Motion carried unanimously.

#### 3. Investment Outlook and Summary Review of the Treasurer's Monthly Reports

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

Chief Financial Officer, Dennis Stevenson, highlighted the results of the State Agencies performances for the month of August 2021. See memo.

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

LGIP Portfolio Manager, Jake Richardson, highlighted the results for the Local Government Investment Pools performance for the month of August 2021. See memo.

### C. Endowment Earnings Distributions, Land Sale Monthly Proceeds Endowment Funds, Endowment Investments and Performance Reports

Director of Endowments, Tim White, highlighted the results for the Endowment performances for the month of August 2021. See memo.

#### 4. Approval of August 2021 Report

Director Daniels moved the approval of the August 2021Monthly Report. Seconded by Mr. Papp. The motion carried unanimously.

### 5. Approval of Public Notice to Banks Qualified to be a Servicing Bank of the Time and Place of Servicing Proposals will be Received Pursuant to ARS 35-315

Deputy Treasurer of Operations Jackie Harding presented to the Board for approval the Public Notice to Banks Qualified to be a Servicing Bank of the Time and Place of Servicing pursuant to ARS 35-315.

Mr. Papp moved to approve the Public Notice to Banks Qualified to be a Servicing Bank of the Time and Place of Servicing pursuant to ARS 35-315, as presented by staff. Seconded by Director Daniels. The motion carried unanimously.

#### 6. AZ529 Arizona's Education Savings Plan

#### A. Monthly Program and Marketing Review

AZ529 Plan Administrator Fareed Bailey reported that the total assets under management in August were up 21% Year Over Year to more than \$2 billion, the first time in its entire 22-year history that this has occurred. Total AZ529 Accounts were up 7% Year Over Year to 95,391. Fidelity remains the largest AZ529 provider, followed by Ivy and College Savings Bank. See Memo.

As the AZ529 Plan Administrator, Fareed was also interviewed by Morningstar which annually reviews and rates 529 plans across the country based on Process, People, Parent

and Price. Staff felt it was a positive interview especially with the results of the recently signed contract with Fidelity including fee reductions.

Fareed also added that the new AZ529 rules approved by the Board during the August 2021 meeting has been formally filed with the Secretary of State's Office Administrative Rules Office.

Public Information Officer, Hannah Roehr, reported that they have notified the winners of the AZ529 statewide essay contest, and she shared several news articles printed in the students' local papers. The office has provided AZ529 information presentations to the Arizona Department of Administration Webinar for State Employees with Treasurer Yee providing an introduction. Outreach to communities across Arizona remains high via The Arizona Broadcaster's Association Public Education Program and over 10,000 television and radio ads are expected to run from July - December 2021.

### B. Approval of transition services agreement with College Savings Bank, a Division of NexBank as AZ529 Program Manager

Deputy Treasurer Mark Swenson presented for Board approval the transition services agreement staff discussed with College Savings Bank, a Division of NexBank, as AZ529 Program Manager. Their assets total to less than 3% of the AZ529 Program. The transition will be to eventually turn the accounts over to Fidelity by the end of November 2022.

Director Daniels moved to approve the transition services agreement with College Savings Bank, a Division of NexBank as AZ529 Program Manager, as presented by staff. Mr. Papp seconded the motion. The motion passed unanimously.

#### 7. Treasurer's Report

Treasurer Yee thanked staff and Mike Calvanico from Snell and Wilmer for the negotiations with NexBank on the transition services agreement with College Savings Bank. She also thanked AZ529 staff on their work noting that it is surpassing the \$2 billion level of assets and that the assets are up 21% in August over last year's accomplishments.

Treasurer Yee also announced the return of Shaandiin Parrish who will be focusing on the marketing of the AZ529 Program and assisting Hannah Roehr with communication duties.

Treasurer Yee noted the Permanent Land Endowment Trust Fund ended August with a new high of \$7.8 billion, a 22.21% increase in a year with a 12 month gain of \$1.4 billion in market value and a 10-year annualized return of 10.49%. The LGIP also continues to do well with assets up 20% in the last year to \$4.8 billion, while returning \$1.3 million so far in the fiscal year.

She thanked the Treasury staff for their exemplary efforts in carrying out the duties of the State Treasury.

#### 8. Market Outlook

Mr. Papp provided the Board with a brief Market Outlook noting that the financial market has been interesting in the last couple of weeks showing how important it is for the investment team to continue the re-balancing procedures. The federal government has insisted that their polices were not going to cause inflation, and if so, inflation would be only temporary. But interest rates are moving up. However, the Treasury's investment team has been vigilant. Interest rates will trigger corrections in the market. The economy is good because of all the stimulus but it is not sustainable. Expect trouble in the stock and bond markets but our financial team is positioned to keep the state's money secured.

#### 9. Call to the Public

There was no public comment.

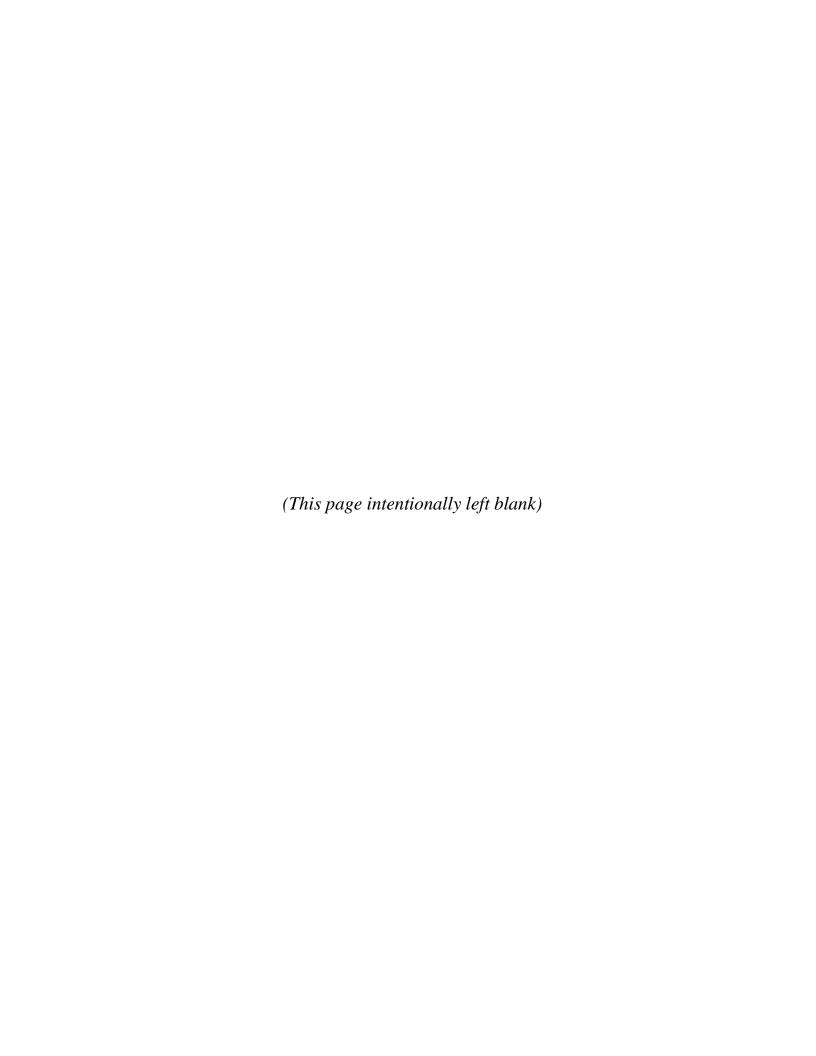
#### 10. Notice of Next Meeting

Treasurer Yee announced that the next board meeting will be held on Tuesday, October 26, 2021, at 1:30 p.m. via WebEx.

#### 11. Adjournment

With no further business to discuss, Director Daniels moved that the meeting be adjourned. Seconded by Mr. Papp. The motion carried unanimously. Meeting adjourned at 2:28 p.m.

	Respectfully Submitted by:
	Deborah Gomez Executive Assistant
Approved by:	
Kimberly Yee Chair	Date



### Arizona's Education Savings Plan (AZ529) Summary

#### Overall Performance – Where We Are Now

- > AZ529, Arizona's Education Savings Plan:
  - Total assets: \$1,958,166,405 (+19.7% YoY)
    - Total Arizona resident assets: \$899,510,555 (45.9%)
    - o Total non-resident assets: \$1,058,655,850 (54.1%)
  - Total accounts: 95,789 (+6.9% YoY)
    - o Total Arizona resident accounts: 49,384 (51.6%)
    - Total non-resident accounts: 46,405 (48.4%)

#### Fidelity Arizona College Savings Plan |

Fidelity remains the largest AZ529 provider, holding 59.2% of total assets and 60.2% of total accounts. Total Fidelity Arizona College Savings Plan assets in September were up 28.1% YoY to \$1,158,594,806, with total accounts up 15.5% YoY to 57,660. Arizona residents held 72.4% of total assets and 79.6% of total accounts, with the rest held by non-residents.

#### Ivy InvestEd 529 Plan

Ivy remains the second largest AZ529 provider, holding 38.4% of total assets and 37.1% of total accounts. Total Ivy InvestEd 529 Plan assets in September were up 10.7% YoY to \$752,672,951, with total accounts down 3.4% YoY to 35,540. Arizona residents held 6.4% of total assets and 6.6% of total accounts, with the rest held by non-residents.

#### **College Savings Bank Plan**

College Savings Bank (CSB) remains the smallest AZ529 provider, holding 2.4% of total assets and 2.7% of total accounts. Total CSB Plan assets in September were down 9.9% YoY to \$46,898,648, with total accounts down 9.2% YoY to 2,589. Arizona residents held 28.1% of total assets and 44.5% of total accounts, with the rest held by non-residents.

#### AZ529 Plan Assets

	September 30, 2021	September 30, 2020	YoY Change
Fidelity Arizona College Savings Plan	\$1,158,594,806	\$904,287,127	+28.1%
Ivy InvestEd 529 Plan	\$752,672,951	\$680,014,410	+10.7%
College Savings Plan	\$46,898,648	\$52,034,921	-9.9%
TOTAL AZ529 ASSETS	\$1,958,166,405	\$1,636,336,458	+19.7%

#### AZ529 Plan Accounts |

	September 31, 2021	September 31, 2020	YoY Change
Fidelity Arizona College Savings Plan	57,660	49,939	+15.5%
Ivy InvestEd 529 Plan	35,540	36,788	-3.4%
College Savings Plan	2,589	2,850	-9.2%
TOTAL AZ529 ACCOUNTS	95,789	89,577	+6.9%

\$1,727,166

### EARNINGS DISTRIBUTION - INVESTMENT POOLS SEPTEMBER 2021

		Earnings D	istributed		Fiscal YTD
Recipient	SEPTEMBER 2021	Fiscal YTD 21/22	Fiscal <u>YTD 20/21</u>	Change from Previous Year	Investment Management Fees Received
General Fund (1)	\$1,360,671	\$4,442,248	\$6,288,776	-29.4%	
2 State Agencies - Full Faith & Credit (2)	174,922	609,290	1,804,767	-66.2%	\$164,412
3 State Agencies - Diversified (2) (3)	514,491	1,380,781	2,007,687	-31.2%	980,853
4 State Agencies - Gov (2)	270,356	821,233	1,827,293	-55.1%	147,329
5 LGIP (2)	84,222	279,997	832,959	-66.4%	279,862
7 LGIP Gov (2)	19,112	52,202	361,337	-85.6%	233,628
9A Public School Credit Enhancement (4)	0	0	0	0.0%	14,179
10 State Agencies Med/Tax-exempt non-AMT	218,495	746,389	1,876,195	-60.2%	147,543
12 CAWCD Medium-Term	444,027	1,478,210	1,964,294	-24.7%	69,858
16 ECDH Medium-Term	356,398	1,156,359	1,455,242	-20.5%	42,784
Subtotal	3,442,693	10,966,709	18,418,550	-40.5%	2,080,448
NAV POOL					
500 LGIP - Med Term	402,925	1,306,976	1,415,625	-7.7%	82,453
700 LGIP - FF&C Med Term (2)	72,846	232,777	293,680	-20.7%	46,143
Total	\$3,918,463	\$12,506,462	\$20,127,856	-37.9%	\$2,209,044

<sup>(1)</sup> Pool 15 State Agencies Operating Liquidity operating earnings are reported in General Fund

**SEPTEMBER 2020 TOTALS** 

\$5,763,625

<sup>(2)</sup> Earnings are net of operating earnings, which are reported in the General Fund

<sup>(3)</sup> Pool 15 State Agencies Operating Liquidity operating management fees are reported in Pool 3, State Agencies Diversified (Combined)

<sup>(4)</sup> 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 September 30, 2021 (in millions)

<u>Month</u>	Fiscal Year <u>2019/2020</u>	Fiscal Year <u>2020/2021</u>	Fiscal Year <u>2021/2022</u>
JULY	\$2,483	\$3,805	\$7,377
AUGUST	1,840	3,661	5,881
SEPTEMBER	1,980	3,834	6,017
OCTOBER	2,246	4,303	
NOVEMBER	2,259	4,382	
DECEMBER	2,463	4,642	
JANUARY	2,864	4,903	
FEBRUARY	2,730	5,135	
MARCH	2,198	5,003	
APRIL	3,204	5,299	
MAY	4,236	6,161	
JUNE	4,360	9,167	
Y-T-D Average	\$2,101	\$3,767	\$6,425
Full Year Average	\$2,739	\$5,025	

#### STATE AGENCY POOLS PORTFOLIO EARNINGS ANALYSIS SEPTEMBER 2021

		Current Month	Prior Month	Prior Year	Net Asset Value
FUND	DESCRIPTION	09/30/21	08/31/21	09/30/20	Per Share
2	STATE AGENCIES - FULL FAITH & CREDIT	\$190,794	\$233,633	\$516,076	1.001343
3	STATE AGENCIES - DIVERSIFIED				
	INTERNAL MANAGERS	1,664,147	1,694,915	1,957,390	1.000065
	EXTERNAL MANAGERS	69,017	81,023	134,651	1.003509
	FUND 3 TOTAL	1,733,164	1,775,938	2,092,041	1.000110
4	STATE AGENCIES - GOV	334,272	361,216	708,177	1.001720
9A	PUBLIC SCHOOL CREDIT ENHANCEMENT	15,939	20,114	51,380	1.001343
10	STATE AGENCIES MED-TERM/TAX-EX NON-AM	Т			
	INTERNAL MANAGERS	220,660	246,025	313,996	1.003861
	EXTERNAL MANAGERS	22,267	28,727	158,792	1.000518
	FUND 10 TOTAL	242,927	274,751	472,788	1.001931
12	CAWCD MEDIUM-TERM	444,027	502,394	621,319	1.002149
15	STATE AGENCIES OPERATING LIQUIDITY	18,004	13,010	6,849	1.000000
16	ECDH MEDIUM-TERM	356,398	387,677	454,164	1.011180
	TOTAL STATE AGENCIES	\$3,335,525	\$3,568,732	\$4,922,794	
	=	•	-	-	

# STATE AGENCY POOLS PORTFOLIO YIELD ANALYSIS SEPTEMBER 2021

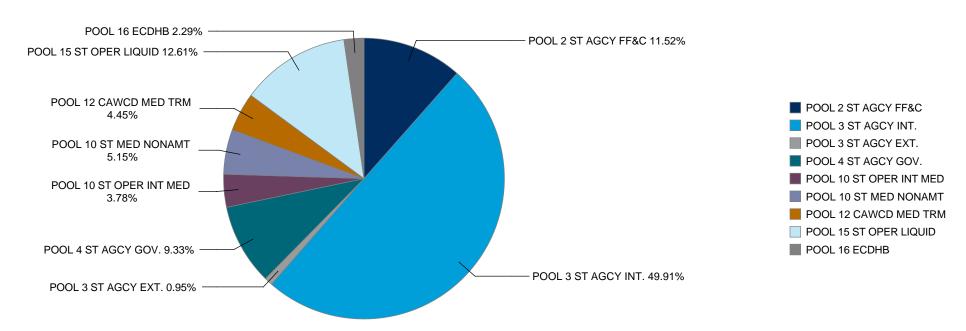
FUND	DESCRIPTION	Current Month 09/30/21	Prior Month 08/31/21	Prior Year 09/30/20
2	STATE AGENCIES - FULL FAITH & CREDIT	0.19%	0.23%	0.61%
2	50% Trailing 3-mo T-bill /	0.15%	0.2376	0.01 /6
	50% Bloomberg Barclays 1-3 year UST	0.1270	0.11.70	0.12 / 0
3	STATE AGENCIES - DIVERSIFIED			
	INTERNAL MANAGERS	0.39%	0.38%	0.56%
	EXTERNAL MANAGERS	0.75%	0.85%	1.47%
	COMBINED	0.40%	0.39%	0.58%
	50% 1 month T-bill /	0.20%	0.18%	0.21%
	50% Bloomberg Barclays 1-3 year US Agg			
4	STATE AGENCIES - GOV	0.37%	0.40%	0.82%
	50% Trailing 3-mo T-bill /	0.15%	0.14%	0.13%
	50% Bloomberg Barclays 1-3 year US Gov			
9A	PUBLIC SCHOOL CREDIT ENHANCEMENT	0.19%	0.23%	0.61%
10	STATE AGENCIES MED-TERM/TAX-EXEMPT NON-AMT			
	INTERNAL MANAGERS	0.60%	0.64%	0.98%
	EXTERNAL MANAGERS	0.04%	0.06%	0.29%
	COMBINED	0.28%	0.30%	0.54%
	50% Trailing 3-mo T-bill /	0.20%	0.19%	0.23%
	50% Bloomberg Barclays 1-3 year US Agg			
12	CAWCD MEDIUM-TERM	1.07%	1.17%	1.63%
	25% S&P LGIP Index /	0.28%	0.26%	0.30%
	75% Bloomber Barclays 1-3 year US Agg			
15	STATE AGENCIES OPERATING LIQUIDITY	0.01%	0.01%	0.04%
	Trailing 3-mo T-bill	0.04%	0.04%	0.10%
16	ECDH MEDIUM-TERM	1.61%	1.68%	1.81%
	25% S&P LGIP Index /	0.28%	0.26%	0.30%
	75% Bloomber Barclays 1-3 year US Agg			

**September 30, 2021** 

#### **STATE AGENCY**



#### **Manager Allocation**

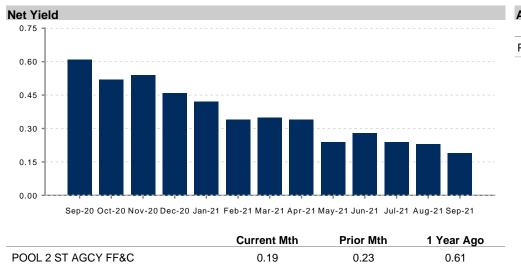


	Market Value	% of Portfolio
POOL 2 ST AGCY FF&C	1,375,631,587	11.52
POOL 3 ST AGCY INT.	5,958,327,153	49.91
POOL 3 ST AGCY EXT.	113,089,409	0.95
POOL 4 ST AGCY GOV.	1,114,144,981	9.33
POOL 10 ST OPER INT MED	451,592,163	3.78
POOL 10 ST MED NONAMT	614,906,634	5.15
POOL 12 CAWCD MED TRM	531,206,858	4.45
POOL 15 ST OPER LIQUID	1,505,288,651	12.61
POOL 16 ECDHB	273,109,848	2.29
TOTAL STATE AGENCY	11,937,297,285	100.00

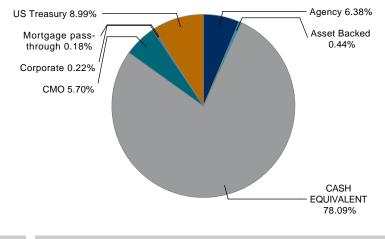
**September 30, 2021** 

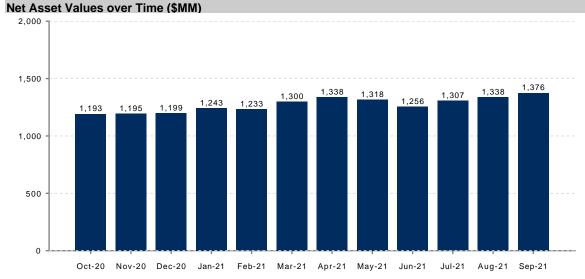
**POOL 2 ST AGCY FF&C** 





Asset Allocation		
	Ending Market Value	
POOL 2 ST AGCY FF&C	1,375,631,587	



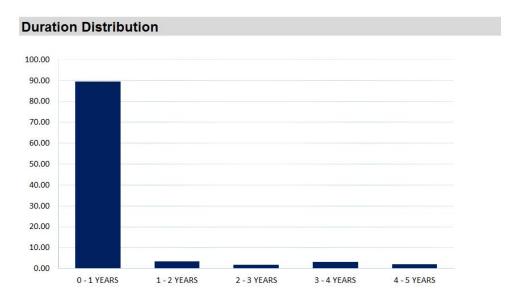


Top 10 Holdings		
Security Name	Ending Market Value	% of Portfolio
POOL 2 ST AGCY FF&C		
DAIWA CAPITAL MARKETS	250,000,208	18.17
TREASURY BILL	149,915,033	10.90
BANK OF AMERICA REPO	133,196,446	9.68
TREASURY BILL	99,987,445	7.27
MITSUBISHI UFJ REPO	95,300,498	6.93
TREASURY BILL	69,995,723	5.09
TREASURY BILL	69,953,592	5.09
TREASURY BILL	39,981,583	2.91
CASH MGMT BILL	29,998,450	2.18
TREASURY BILL	29,998,337	2.18

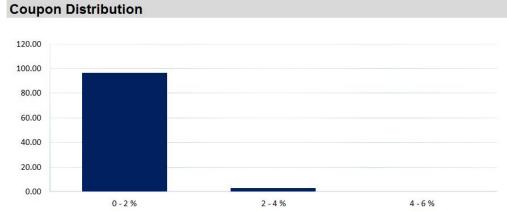
**September 30, 2021** 

**POOL 2 ST AGCY FF&C** 

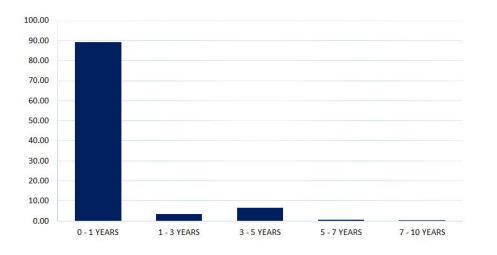




# Portfolio Level Characteristics POOL 2 ST AGCY FF&C Effective Maturity 0.61 Coupon 0.46 Effective Duration 0.53 Quality Rating (Moody's) AAA



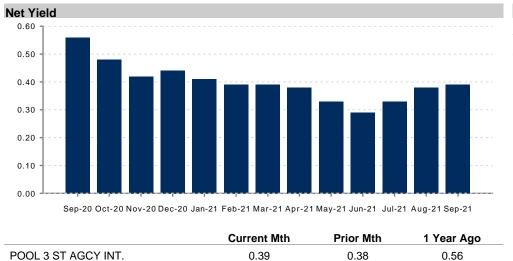
#### **Expected Maturity Distribution**



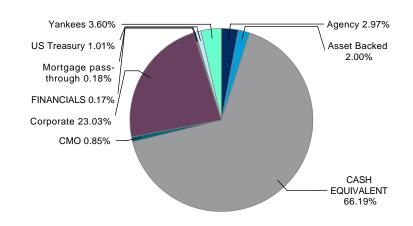
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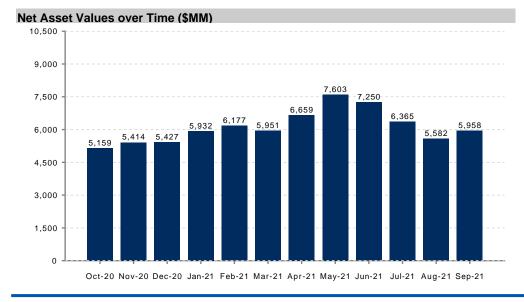
September 30, 2021 POOL 3 ST AGCY INT.





Asset Allocation	
	Ending Market Value
POOL 3 ST AGCY INT.	5,958,327,153



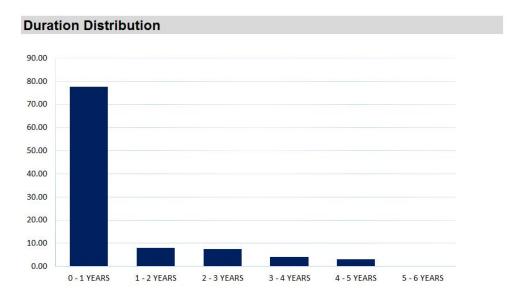


Top 10 Holdings		
Security Name	Ending Market Value	% of Portfolio
POOL 3 ST AGCY INT.		
SOUTH STREET REPO	678,253,140	11.38
MITSUBISHI UFJ REPO	452,326,447	7.59
CREDIT AGRICOLE REPO	400,000,333	6.71
AMHERST PIERPONT	250,000,208	4.20
BMO TRIPARTY MTGE	200,000,111	3.36
JPMORGAN US GOVERNMENT MONEY M	100,064,131	1.68
TD SECURITIES	100,000,111	1.68
SOUTH STREET REPO	75,000,021	1.26
CANADIAN IMPERIAL BK	51,437,795	0.86
GOLDMAN SACHS FINANCIAL SQUARE	50,011,094	0.84

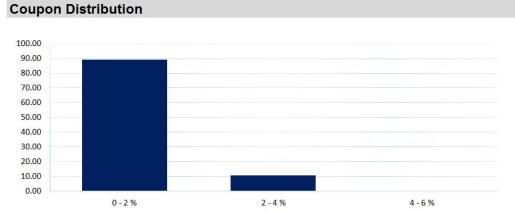
**September 30, 2021** 

**POOL 3 ST AGCY INT** 

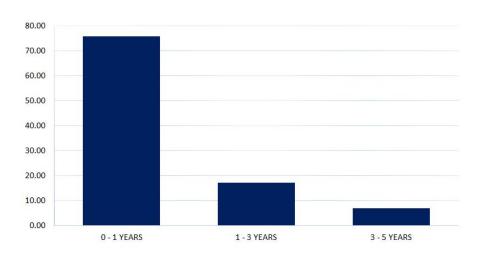


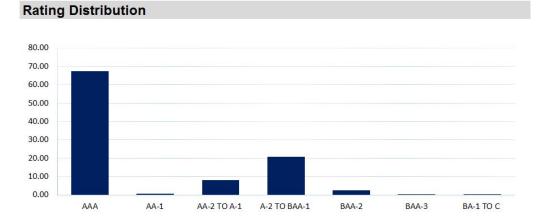


# Portfolio Level Characteristics Effective Maturity 0.76 Coupon 0.85 Effective Duration 0.75 Quality Rating (Moody's) AA-2



#### **Expected Maturity Distribution**



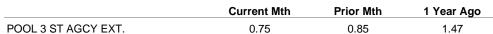


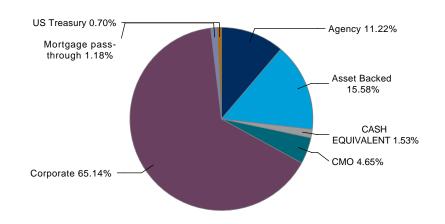
September 30, 2021 POOL 3 ST AGCY EXT.

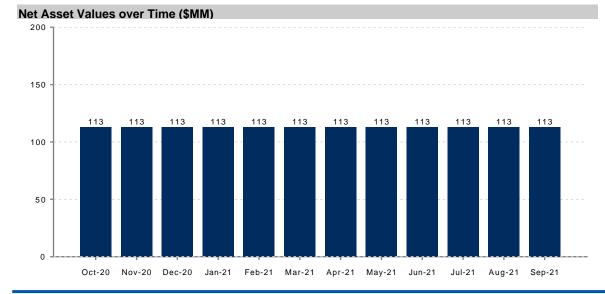




	Ending Market Value
POOL 3 ST AGCY EXT.	113,089,409





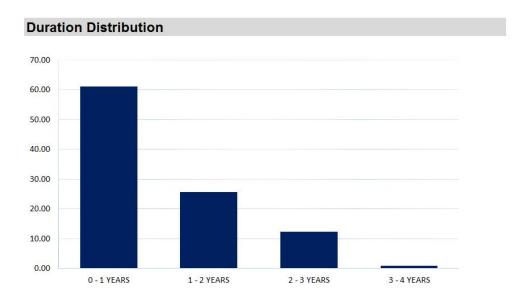


Top 10 Holdings		
Security Name	Ending Market Value	% of Portfolio
POOL 3 ST AGCY EXT.		
FHLMC MULTIFAMILY STRUCTURED P	1,921,537	1.70
MANUF + TRADERS TRUST CO	1,808,105	1.60
BLACKROCK PROV TEMP	1,736,300	1.54
INTEL CORP	1,504,376	1.33
APPLE INC	1,353,836	1.20
PUBLIC STORAGE	1,234,125	1.09
CINTAS CORPORATION NO. 2	1,128,094	1.00
STRYKER CORP	1,075,622	0.95
FED HM LN PC POOL J32364	1,066,364	0.94
WALMART INC	1,060,312	0.94

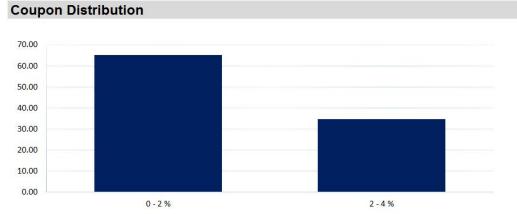
**September 30, 2021** 

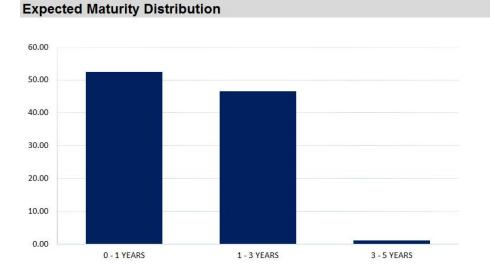
**POOL 3 ST AGCY EXT** 

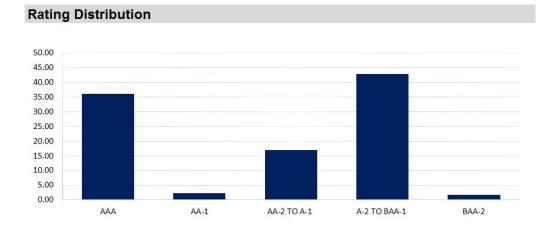




# Portfolio Level Characteristics POOL 3 ST AGCY EXT. Effective Maturity 1.12 Coupon 1.40 Effective Duration 0.93 Quality Rating (Moody's) AA-3



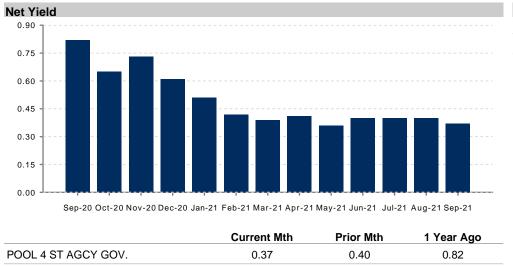




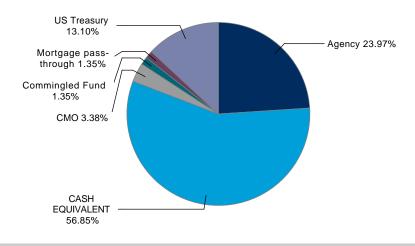
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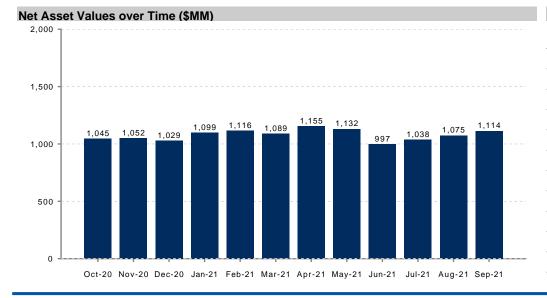
POOL 4 ST AGCY GOV.





Asset Allocation	
	Ending Market Value
POOL 4 ST AGCY GOV.	1,114,144,981





Top 10 Holdings		
Security Name	Ending Market Value	% of Portfolio
POOL 4 ST AGCY GOV.		
SOUTH STREET REPO	323,502,017	29.04
TREASURY BILL	54,994,114	4.94
US TREASURY N/B	40,706,748	3.65
FEDERAL FARM CREDIT BANK	39,932,950	3.58
CANTOR FITZGERALD REPO	35,004,472	3.14
TREASURY BILL	34,980,052	3.14
US TREASURY N/B	34,948,166	3.14
TREASURY BILL	24,997,281	2.24
TREASURY BILL	24,996,007	2.24
TREASURY BILL	24,983,850	2.24

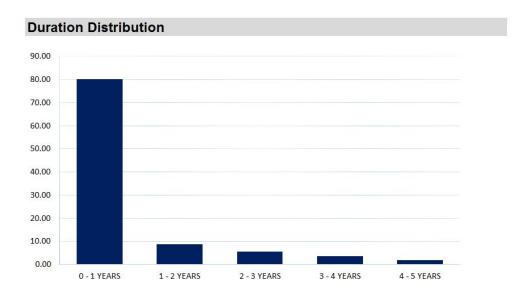
12

**September 30, 2021** 

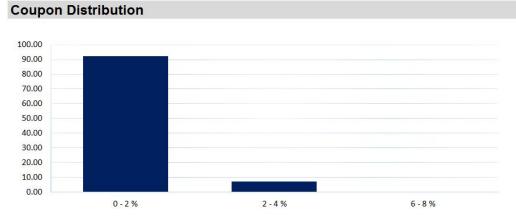
**POOL 4 ST AGCY GOV** 

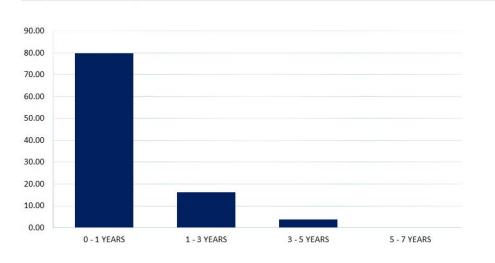
**Expected Maturity Distribution** 

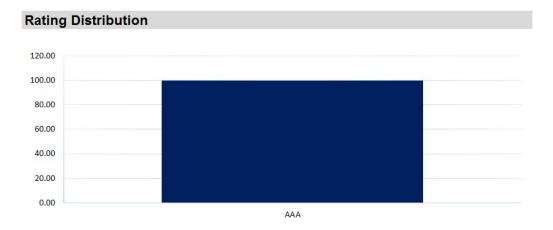




# Portfolio Level Characteristics Effective Maturity 0.71 Coupon 0.77 Effective Duration 0.68 Quality Rating (Moody's) AAA





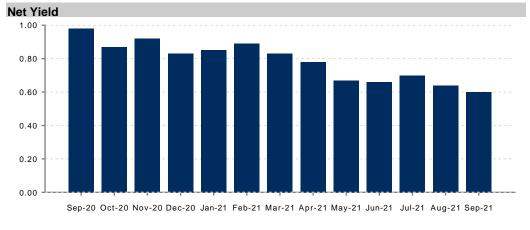


**September 30, 2021** 

**POOL 10 ST OPER INT MED** 

ST OF AZ POOL 10 ST OPER INT MED





**Current Mth** 

0.60

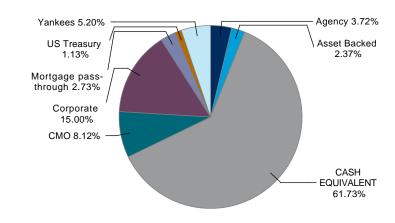
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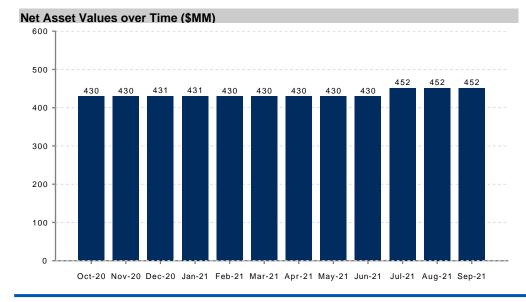
0.64

1 Year Ago

0.98

Asset Allocation	
	Ending Market Value
POOL 10 ST OPER INT MED	451,592,163



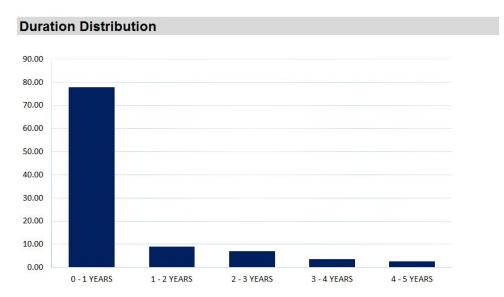


Top 10 Holdings		
Security Name	Ending Market Value	% of Portfolio
POOL 10 ST OPER INT MED		
SOUTH STREET REPO	43,440,464	9.62
TREASURY BILL	24,990,594	5.53
CANTOR FITZGERALD REPO	15,001,917	3.32
BANK OF NOVA SCOTIA	10,271,688	2.27
DISCOVER CARD EXECUTION NOTE T	10,075,569	2.23
FREDDIE MAC	10,007,886	2.22
BASIN ELEC PWR COOP	9,999,600	2.21
NATL AUSTRALIA BK LT	9,998,814	2.21
AT&T INC	9,991,778	2.21
COCA-COLA COMPANY	9,989,397	2.21

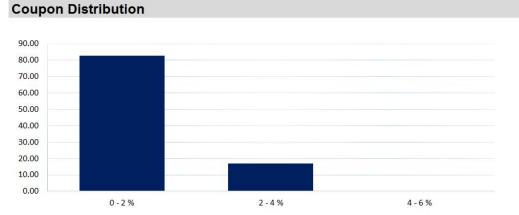
**September 30, 2021** 

**POOL 10 ST OPER INT MED** 

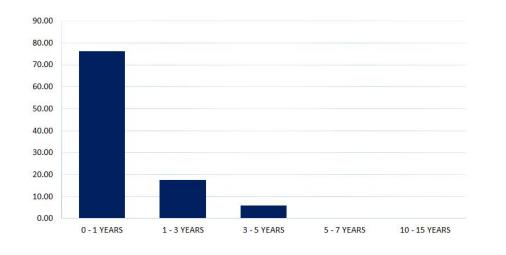




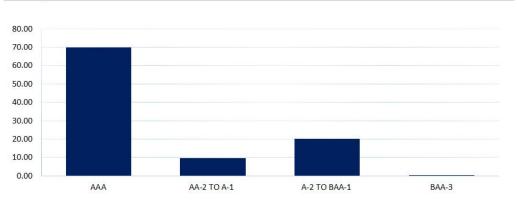
# Portfolio Level Characteristics POOL 10 ST OPER INT MED Effective Maturity 0.84 Coupon 0.90 Effective Duration 0.77 Quality Rating (Moody's) AA-1



#### **Expected Maturity Distribution**



#### **Rating Distribution**



**September 30, 2021** 

**POOL 10 ST MED NONAMT** 

POOL 10 ST MED NONAMT



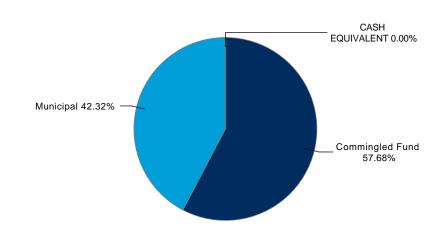


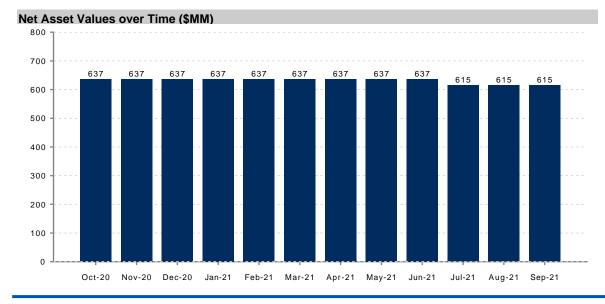
0.04

0.06

0.29

Asset Allocation	
	Ending Market Value
POOL 10 ST MED NONAMT	614,906,634



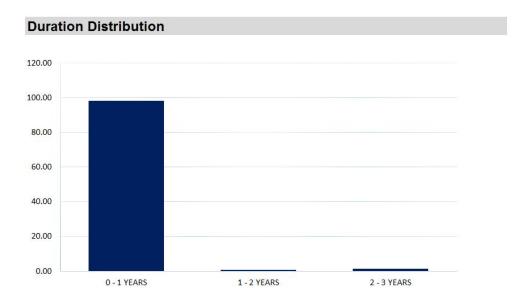


Top 10 Holdings		
Security Name	Ending Market Value	% of Portfolio
POOL 10 ST MED NONAMT		
BLACKROCK LIQUIDITY FU	354,732,278	57.69
PORT TACOMA WA REVEN	25,250,448	4.11
MIAMI DADE CNTY FL SPL	21,800,382	3.55
SAINT PAUL MN HSG RED	20,185,332	3.28
INDIANA ST FIN AUTH HOS	20,000,340	3.25
LOUDOUN CNTY VA INDL	19,825,348	3.22
AUSTIN TX WTR WSTWT	17,435,244	2.84
MARYLAND ST HLTH HGR	15,000,263	2.44
CLARK CNTY NV ARPT RE	11,720,616	1.91
DISTRICT OF COLUMBIA R	9,280,153	1.51

**September 30, 2021** 

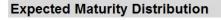
**POOL 10 ST MED NONAMT** 

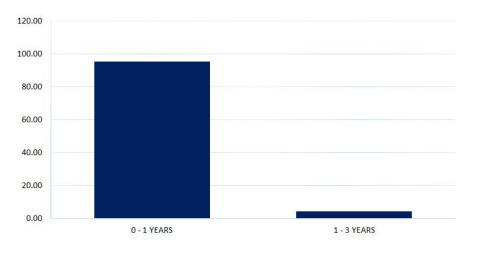


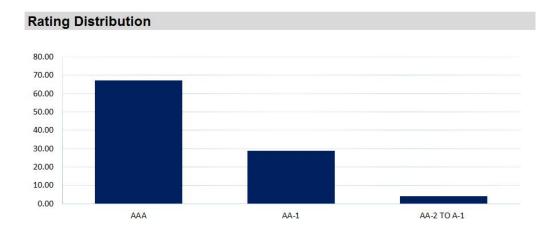


Portfolio Level Characteristics	
	POOL 10 ST MED NONAMT
Effective Maturity	0.14
Coupon	0.90
Effective Duration	0.14
Quality Rating (Moody's)	AAA

# 90.00 80.00 70.00 60.00 50.00 40.00 30.00 20.00 10.00 0.00







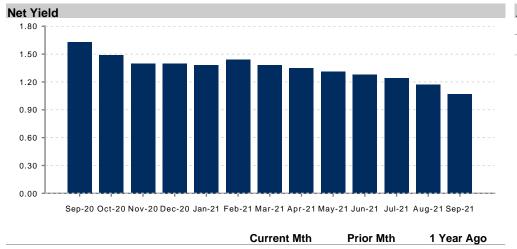
**Coupon Distribution** 

**September 30, 2021** 

**POOL 12 CAWCD MED TRM** 

POOL 12 CAWCD MED TRM





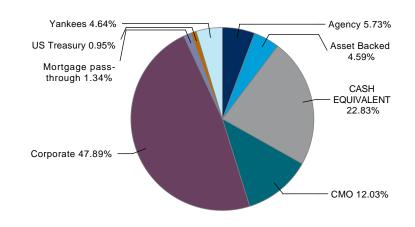
1.07

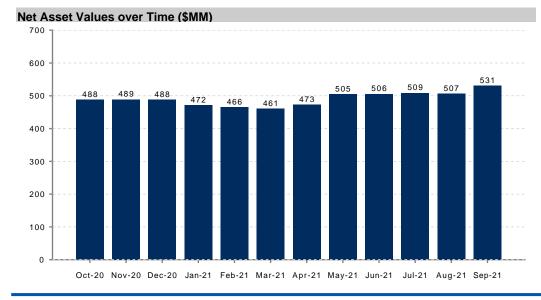
1.17

1.63

18

Asset Allocation	
	Ending Market Value
POOL 12 CAWCD MED TRM	531,206,858



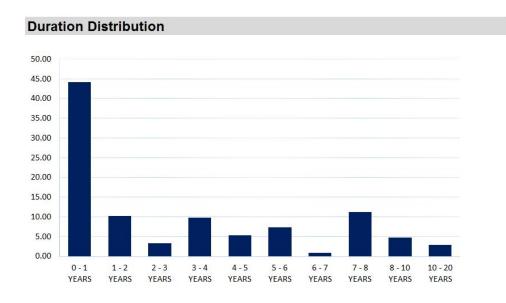


Top 10 Holdings		
Security Name	Ending Market Value	% of Portfolio
POOL 12 CAWCD MED TRM		
SOUTH STREET REPO	34,304,540	6.46
NVIDIA CORP	10,010,105	1.88
CANTOR FITZGERALD REPO	10,007,667	1.88
CANTOR FITZGERALD REPO	10,004,122	1.88
PHILLIPS 66	9,808,262	1.85
ALPHABET INC	7,331,797	1.38
FEDERAL FARM CREDIT BANK	7,010,900	1.32
FORD CREDIT AUTO OWNER TRUST/F	6,431,760	1.21
FORD CREDIT AUTO OWNER TRUST/F	5,729,434	1.08
BERKSHIRE HATHAWAY ENERG	5,589,815	1.05

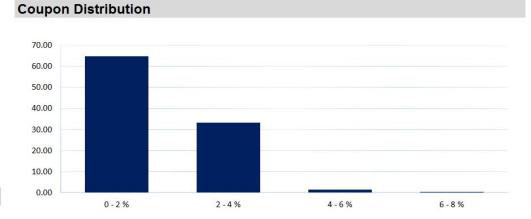
**September 30, 2021** 

**POOL 12 CAWCD MED TRM** 

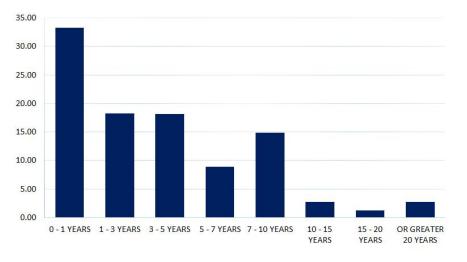




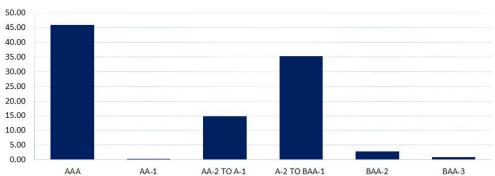
# Portfolio Level Characteristics POOL 12 CAWCD MED TRM Effective Maturity 4.46 Coupon 1.60 Effective Duration 3.15 Quality Rating (Moody's) AA-3



### **Expected Maturity Distribution**



## Rating Distribution

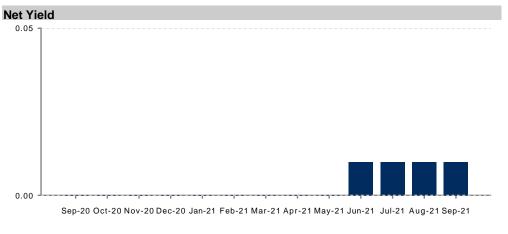


**September 30, 2021** 

**POOL 15 ST OPER LIQUID** 

ST of AZ POOL 15 ST OPER LIQUIDITY





**Current Mth** 

0.01

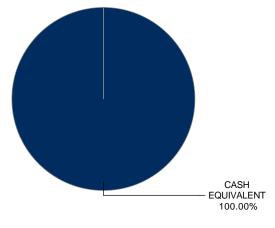
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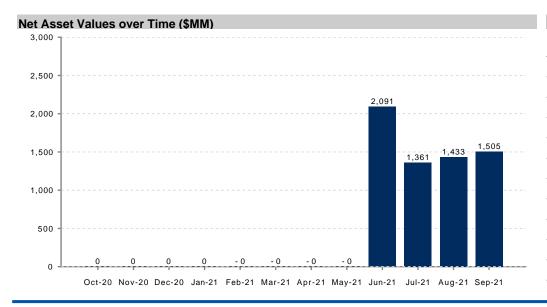
0.01

1 Year Ago

0.00

Asset Allocation	
	Ending Market Value
POOL 15 ST OPER LIQUID	1,505,288,651





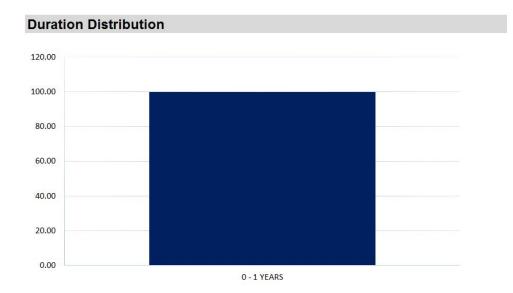
Top 10 Holdings				
Security Name	Ending Market Value	% of Portfolio		
POOL 15 ST OPER LIQUID				
CANTOR FITZGERALD REPO	681,505,635	45.27		
GOLDMAN SACHS FINANCIAL SQUARE	130,009,253	8.64		
MSILF GOVERNMENT PORTFOLIO	55,005,091	3.65		
JPMORGAN US GOVERNMENT MONEY M	50,010,192	3.32		
CANTOR FITZGERALD REPO	35,004,472	2.33		
SUMITOMO MITSUI BKG CORP	25,015,250	1.66		
CANADIAN IMPERIAL BK	25,001,813	1.66		
AUST & NEW ZEA	24,998,785	1.66		
NEXTERA ENERGY CAP HLDGS INC	24,998,691	1.66		
TOYOTA MOTOR CREDIT	24,997,625	1.66		

**September 30, 2021** 

**POOL 15 ST OPER LIQUID** 

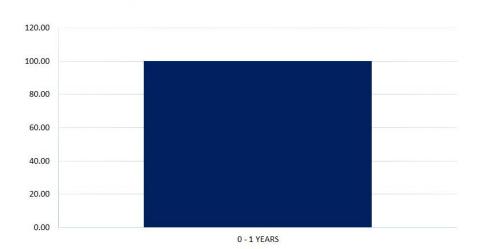
**Expected Maturity Distribution** 

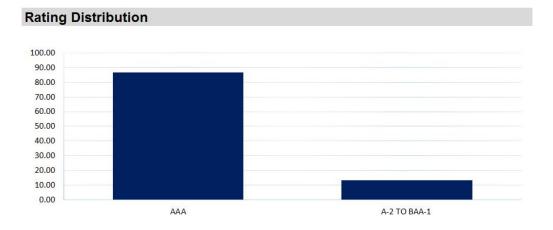




Portfolio Level Characteristics	
	POOL 15 ST OPER LIQUID
Effective Maturity	0.12
Coupon	0.14
Effective Duration	0.12
Quality Rating (Moody's)	AA-1



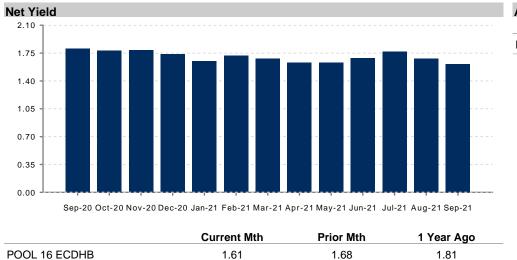




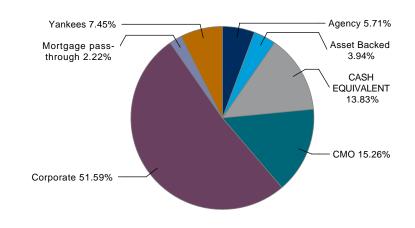
**September 30, 2021** 

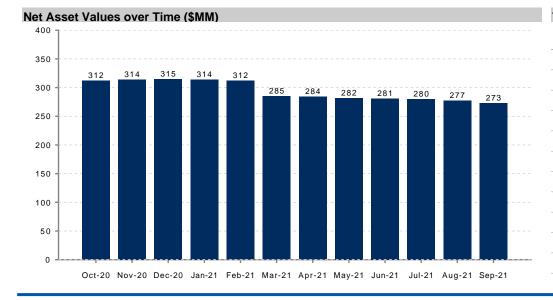
**POOL 16 ECDHB** 





Asset Allocation	
	Ending Market Value
POOL 16 ECDHB	273,109,848



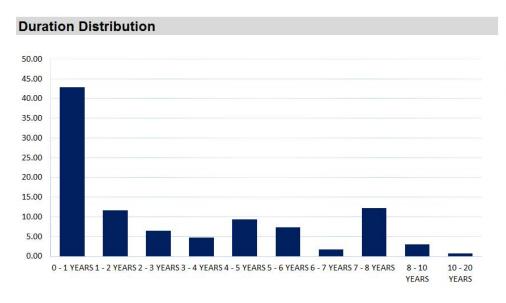


Top 10 Holdings				
Security Name	Ending Market Value	% of Portfolio		
POOL 16 ECDHB				
SOUTH STREET REPO	18,500,015	6.77		
BERKSHIRE HATHAWAY ENERG	5,589,815	2.05		
ANHEUSER BUSCH INBEV WOR	5,539,486	2.03		
BRISTOL MYERS SQUIBB CO	5,333,680	1.95		
BANK OF NY MELLON CORP	5,321,510	1.95		
NEXTERA ENERGY CAPITAL	5,285,950	1.94		
KEYCORP	5,218,431	1.91		
FREDDIE MAC	5,154,145	1.89		
BANK OF NOVA SCOTIA	5,135,844	1.88		
BOEING CO	5,116,920	1.87		

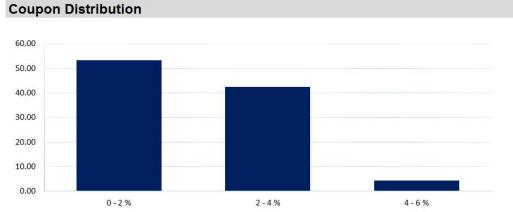
**September 30, 2021** 

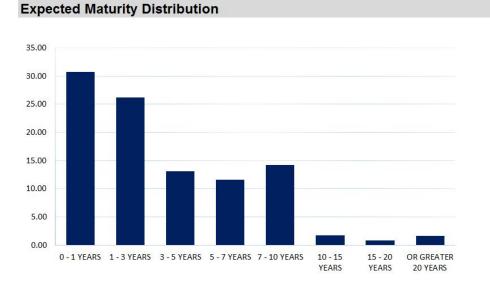
**POOL 16 ECDHB** 

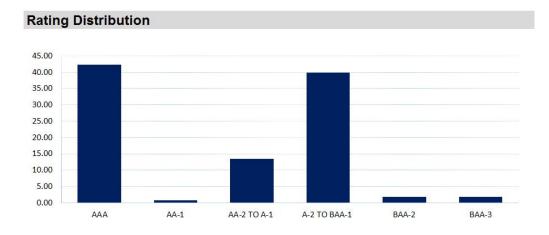




Portfolio Level Characteristics	
	POOL 16 ECDHB
Effective Maturity	3.83
Coupon	1.99
Effective Duration	3.14
Quality Rating (Moody's)	AA-3







#### LGIP & LGIP- GOV PORTFOLIO YIELD ANALYSIS SEPTEMBER 2021

#### **NET EARNINGS**

FUND	DESCRIPTION	Current Month 09/30/21	Prior Month 08/31/21	Prior Year 09/30/20	Net Asset Value Per Share
5	LGIP	\$87,920	\$99,572	\$222,321	1.000000
7	LGIP - GOV (1)	19,112	17,006	86,950	1.000000
	TOTAL LGIP & LGIP-GOV	\$107,032	\$116,578	\$309,272	

#### **YIELDS**

		Current	Prior	Prior
	<b>MONTHLY</b>	Month	Month	Year
		09/30/21	08/31/21	9/30/20
5	LGIP (NET)	0.05%	0.06%	0.14%
	S&P LGIP Index	0.03%	0.04%	0.15%
7	LGIP - GOV (NET) (1)	0.01%	0.01%	0.07%
	Trailing 3-mo T-bill	0.04%	0.04%	0.10%
	FISCAL YEAR TO DATE			
5	LGIP (NET)	0.06%	0.06%	0.17%
	S&P LGIP Index	0.04%	0.04%	0.22%
7	LGIP - GOV (NET) (1)	0.01%	0.01%	0.09%
	Trailing 3-mo T-bill	0.03%	0.03%	0.11%

<sup>(1)</sup> 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 SEPTEMBER 2021

#### **NET EARNINGS**

		Current Month	Prior Month	Prior Year	Net Asset Value Per
FUND	DESCRIPTION	09/30/21	08/31/21	09/30/20	Share
500	LGIP - MED TERM POOL	\$402,925	\$443,711	\$436,663	1.040933
700	LGIP - FF&C MED TERM POOL	72,979	84,328	94,898	1.013616
	TOTAL LGIP MEDIUM TERM POOLS	\$475,904	\$528,039	\$531,561	

#### **YIELDS**

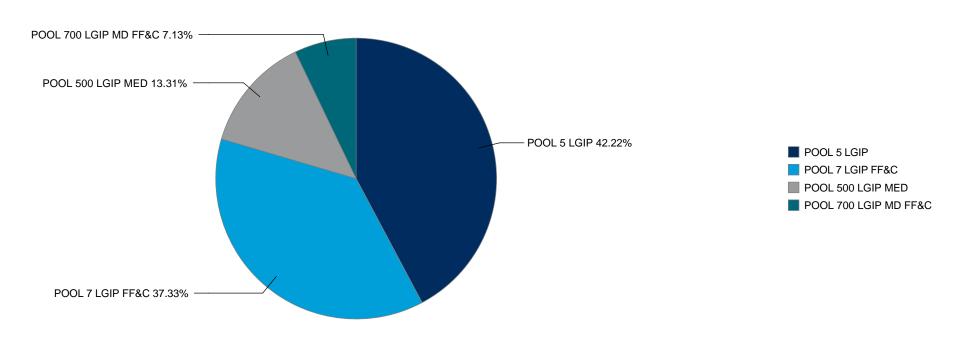
	MONTHLY	Current Month	Prior Month	Prior Year
		09/30/21	08/31/21	9/30/20
500	LGIP - MED TERM (NET)	0.78%	0.85%	1.23%
	20% S&P LGIP Index /	0.29%	0.28%	0.31%
	80% Bloomberg Barclays 1-3 year US Agg			
700	LGIP - FF&C MED TERM (NET)	0.26%	0.29%	0.50%
	20% Trailing 3-mo T-bill /	0.22%	0.20%	0.14%
	80% Barclay 1-3 year UST			
	FISCAL YEAR TO DATE			
500	LGIP - MED TERM (NET)	0.84%	0.87%	1.35%
	20% S&P LGIP Index /	0.28%	0.28%	0.33%
	80% Bloomberg Barclays 1-3 year US Agg			
700	LGIP - FF&C MED TERM (NET)	0.27%	0.28%	0.73%
	20% Trailing 3-mo T-bill /	0.20%	0.19%	0.15%
	80% Bloomberg Barclays 1-3 year UST			

**September 30, 2021** 

**LGIP** 



#### **Manager Allocation**

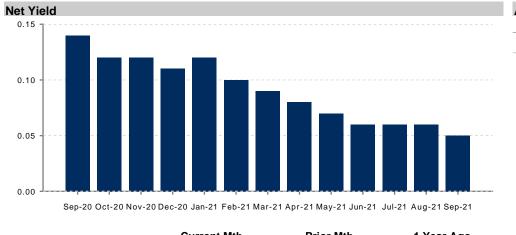


	Market Value	% of Portfolio
POOL 5 LGIP	1,997,676,764	42.2
POOL 7 LGIP FF&C	1,766,425,209	37.3
POOL 500 LGIP MED	629,829,726	13.3
POOL 700 LGIP MD FF&C	337,461,842	7.1
TOTAL LGIP	4,731,393,541	100.0

**September 30, 2021** 

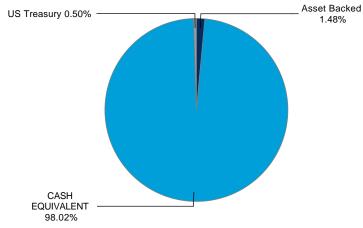
**POOL 5 LGIP** 





Asset Allocation		
	Ending Market Value	
POOL 5 LGIP	1,997,676,764	





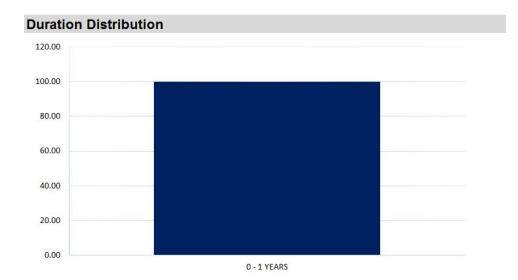
3,000	
2,500	
2,175	
2,048 2,072 2,046 2,062 2,062 2,039 2	1,998
1,000	
1,500	
1,500	
1,000	
500	
0	
Oct-20 Nov-20 Dec-20 Jan-21 Feb-21 Mar-21 Apr-21 May-21 Jun-21 Jul-21 Aug-21 S	ep-21

Top 10 Holdings		
Security Name	Ending Market Value	% of Portfolio
POOL 5 LGIP		
BANK OF AMERICA REPO	116,803,831	5.85
RBC CAPITAL MARKETS REPO	100,000,083	5.01
SUMITOMO MITSUI TRUST NY	25,002,368	1.25
CANADIAN IMPERIAL BK	25,001,813	1.25
PROCTOR GAMBLE AND CO	25,000,000	1.25
MASSACHUSETTS MUT LIFE INS CO	24,999,722	1.25
LIBERTY FUNDING LLC	24,999,653	1.25
MASSACHUSETTS MUT LIFE INS CO	24,999,500	1.25
GTA FDG LLC DISC	24,999,097	1.25
APPLE INC	24,999,000	1.25

**September 30, 2021** 

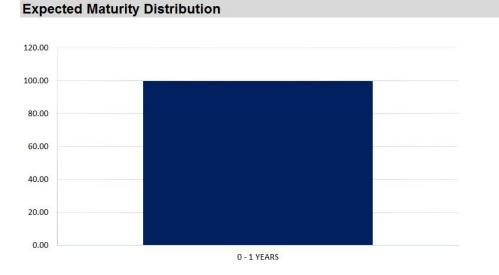
**POOL 5 LGIP** 

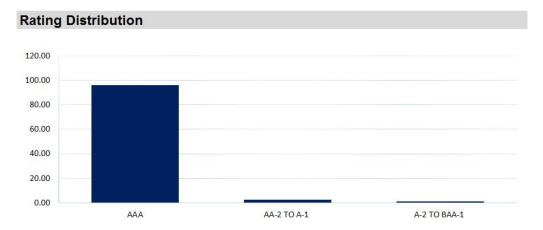




Portfolio Level Characteristics	
	POOL 5 LGIP
Effective Maturity	0.18
Coupon	0.12
Effective Duration	0.18
Quality Rating (Moody's)	AAA





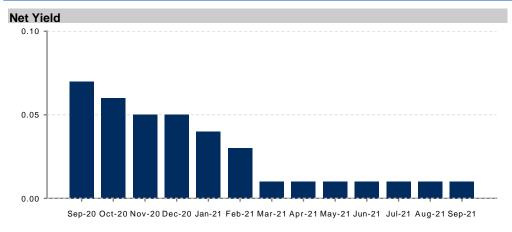


**September 30, 2021** 

POOL 7 LGIP FF&C

POOL 7 LGIP FF&C





**Current Mth** 

0.01

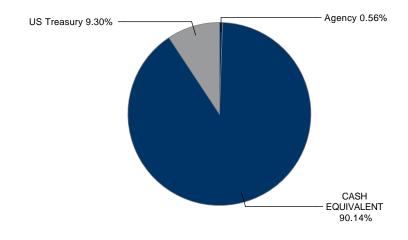
**Prior Mth** 

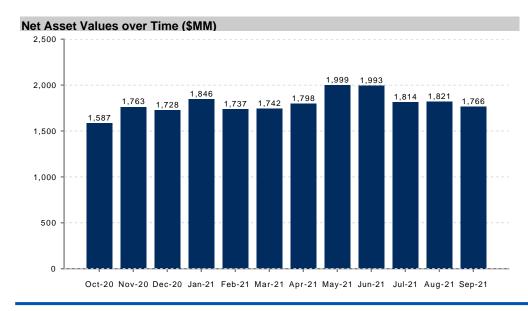
0.01

1 Year Ago

0.07

Asset Allocation	
	Ending Market Value
POOL 7 LGIP FF&C	1,766,425,209



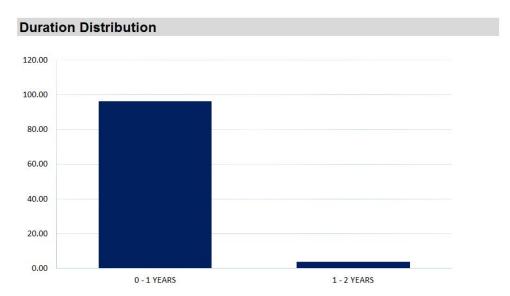


Top 10 Holdings		
Security Name	Ending Market Value	% of Portfolio
POOL 7 LGIP FF&C		
SUNTRUST BKS INC DTC CP GENERIC CUSIP	446,497,875	25.28
MITSUBISHI UFJ REPO	202,373,889	11.46
TREASURY BILL	89,994,638	5.09
TREASURY BILL	79,999,430	4.53
TREASURY BILL	69,997,725	3.96
CASH MGMT BILL	69,996,383	3.96
AMHERST PIERPONT	50,001,250	2.83
CASH MGMT BILL	49,999,077	2.83
TREASURY BILL	49,998,264	2.83
CASH MGMT BILL	49,997,070	2.83

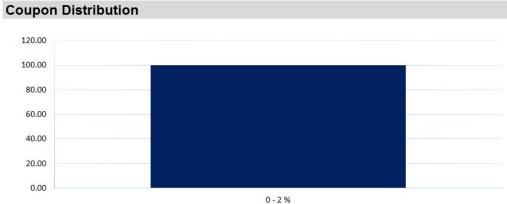
**September 30, 2021** 

**POOL 7 LGIP FF&C** 

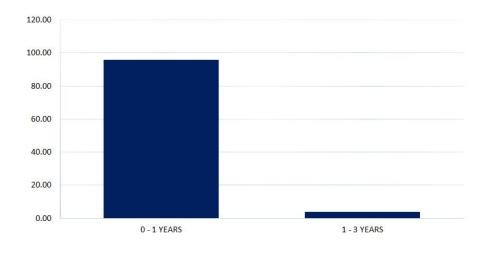


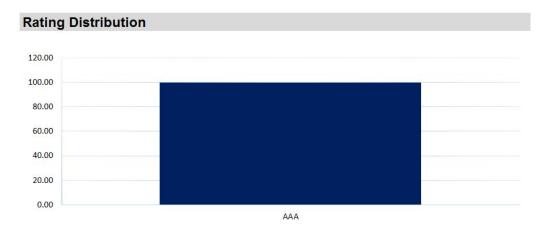


Portfolio Level Characteristics	
	POOL 7 LGIP FF&C
Effective Maturity	0.16
Coupon	0.09
Effective Duration	0.20
Quality Rating (Moody's)	AAA



#### **Expected Maturity Distribution**

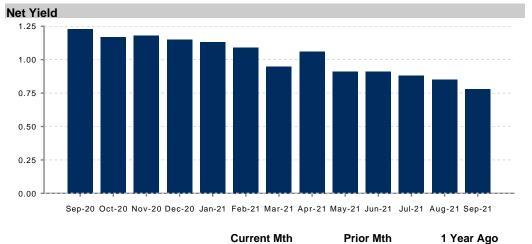




September 30, 2021 POOL 500 LGIP MED

POOL 500 LGIP MED



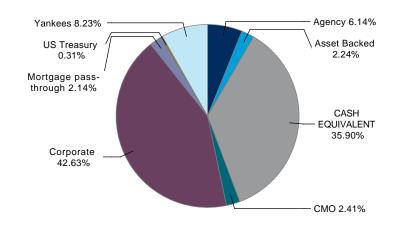


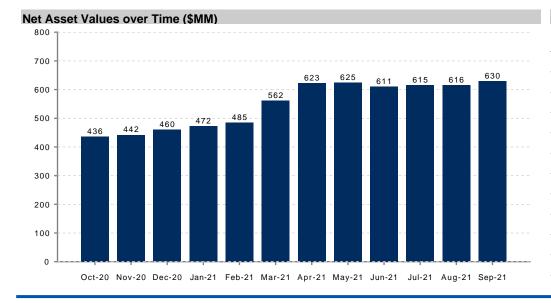
0.78

0.85

1.23

Asset Allocation	
	Ending Market Value
POOL 500 LGIP MED	629,829,726





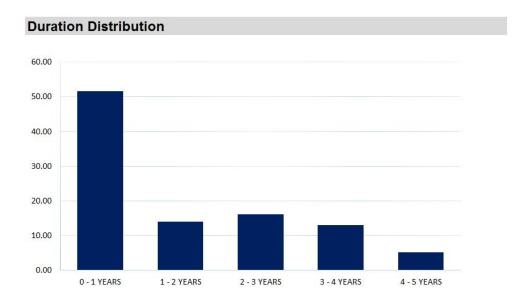
Top 10 Holdings		
Security Name	Ending Market Value	% of Portfolio
POOL 500 LGIP MED		
CANTOR FITZGERALD REPO	10,007,667	1.59
CANTOR FITZGERALD REPO	10,005,000	1.59
APPLE INC	7,015,732	1.11
LEXINGTN PKR CAP CO LL	5,997,250	0.95
AMERICAN EXPRESS CO	5,276,503	0.84
US BANCORP	5,257,836	0.83
TRUIST BANK	5,243,660	0.83
EXXON MOBIL CORPORATION	5,212,776	0.83
NEW YORK LIFE GLOBAL FDG	5,179,242	0.82
WALT DISNEY COMPANY/THE	5,161,932	0.82

**September 30, 2021** 

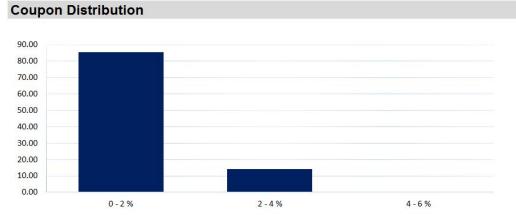
**Expected Maturity Distribution** 

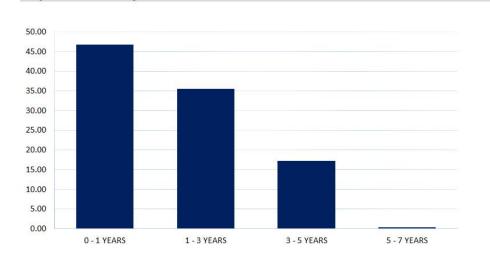
**POOL 500 LGIP MED** 

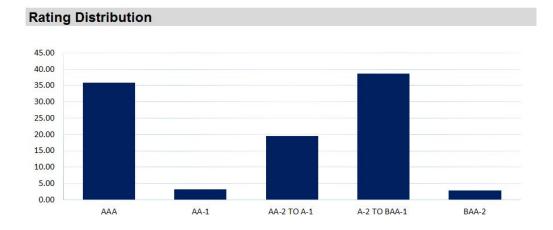




## Portfolio Level Characteristics Effective Maturity 1.61 Coupon 0.95 Effective Duration 1.45 Quality Rating (Moody's) AA-3



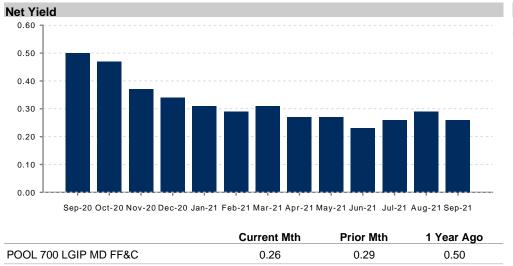




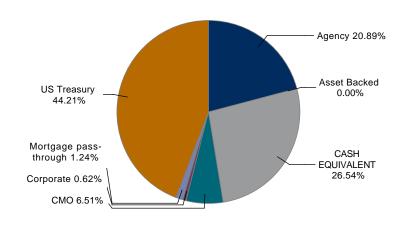
**September 30, 2021** 

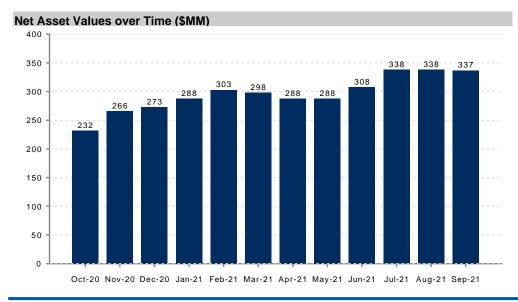
POOL 700 LGIP MD FF&C





Asset Allocation	
	Ending Market Value
POOL 700 LGIP MD FF&C	337,461,842



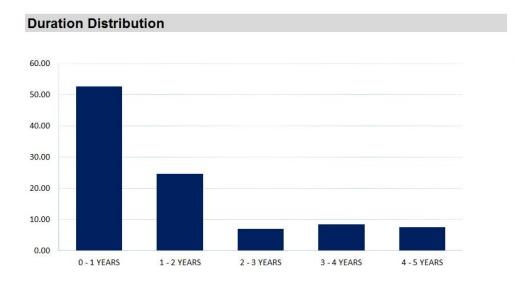


Top 10 Holdings		
Security Name	Ending Market Value	% of Portfolio
POOL 700 LGIP MD FF&C		
SUNTRUST BKS INC DTC CP GENERIC CUSIP	53,502,958	15.85
WAM AZ 4	12,006,838	3.56
US TREASURY N/B	12,000,509	3.56
US TREASURY N/B	10,002,638	2.96
INT DEVELOPMENT FIN CORP	6,497,139	1.93
US TREASURY N/B	5,043,270	1.49
US TREASURY N/B	5,040,027	1.49
US TREASURY N/B	5,037,021	1.49
WESTERN ALLIANCE BANCORP	5,009,862	1.48
WESTERN ALLIANCE BANCORP PP	5,008,378	1.48

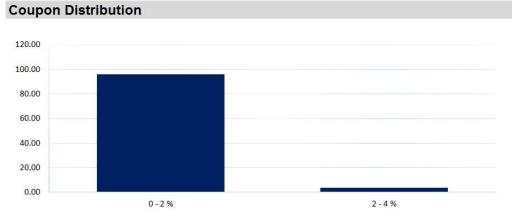
**September 30, 2021** 

POOL 700 LGIP MD FF&C

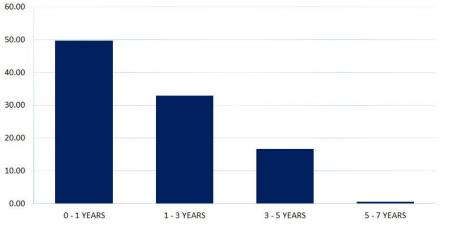




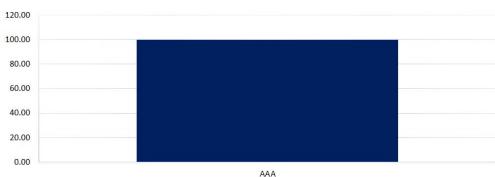
## Portfolio Level Characteristics POOL 700 LGIP MD FF&C Effective Maturity 1.36 Coupon 0.51 Effective Duration 1.64 Quality Rating (Moody's) AAA



### Expected Maturity Distribution



#### Rating Distribution



## EARNINGS DISTRIBUTED PERMANENT LAND ENDOWMENT TRUST FUND SEPTEMBER 2021

#### **Distributed in Current Month**

Recipie	ent	SEPTEMBER 2021	Fiscal YTD 21/22	Fiscal YTD 20/21	Fiscal YTD Change
101	A & M Colleges	\$75,442	\$226,327	\$223,915	\$2,412
102	State Hospital	57,779	173,338	164,239	9,099
103	Leg., Exec., & Jud.	63,087	189,262	186,459	2,803
104	Military Institute	4,256	12,767	12,498	269
105	Miners Hospital	183,974	551,921	531,690	20,231
107	Normal School ASU/NAU	35,072	105,216	100,040	5,176
108	Penitentiaries	121,853	365,559	355,162	10,398
109	Permanent Common School	31,000,271	93,000,812	89,500,828	3,499,984
110	School for Deaf & Blind	45,210	135,630	130,129	5,501
111	School of Mines	86,226	258,678	255,209	3,469
112	State Charitable-Pioneers Home	443,994	1,331,982	1,276,570	55,412
112	State Charitable-Corrections	221,997	665,991	638,285	27,706
112	State Charitable-Youth Treatment	221,997	665,991	638,285	27,706
113	University Fund	169,919	509,758	478,704	31,054
114	U of A Land - 1881	588,327	1,764,980	1,701,073	63,908
	Total	\$33,319,404	\$99,958,212	\$96,193,085	\$3,765,127

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

Month	2016	2017	2018	2019	2020	2021	2022
January	\$5,108,687	\$2,960,815	\$809,822	\$30,671,107	\$34,028,510	\$77,327,332	
February	1,083,178	1,103,303	744,295	875,823	2,362,463	17,814,405	
March	1,106,860	3,045,043	8,296,029	997,479	13,103,761	3,772,571	
April	28,981,969	78,134,289	22,707,772	12,816,140	6,837,496	4,099,129	
May	20,147,116	27,642,672	16,234,823	590,432	3,656,783	88,763,368	
June	31,844,678	2,451,110	6,799,100	3,654,938	3,379,021	2,001,347	
July	2,469,997	13,838,188	27,835,379	4,356,585	19,069,989	37,347,276	
August	13,094,287	5,746,802	6,932,754	10,038,331	6,378,777	12,016,036	
September	(12,580,728)	19,937,751	8,293,343	1,201,114	3,851,950	13,865,289	
October	10,614,885	480,710	24,823,636	5,075,858	72,432,497		
November	28,490,238	9,500,048	42,245,892	9,161,341	3,119,856		
December	6,127,407	3,869,818	2,283,305	15,116,940	29,134,954		
Calendar Year	136,488,573	168,710,549	168,006,150	94,556,089	197,356,057	257,006,752	-
	120,100,270	100,710,019	100,000,100	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	15.,250,057	201,000,702	
Fiscal Year (July 1st to June 30th)	105,360,563	163,553,318	108,965,158	162,020,229	108,318,203	327,766,175	63,228,601

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

<b>Endowment Fund</b>	September 2021 <u>NET GAIN(LOSS)</u>	September 2020 <u>NET GAIN(LOSS)</u>
Fixed Income Pool	(\$439,761)	(\$704,980)
500 Large-Cap Fund	179,061,703	101,252,444
400 Mid-Cap Fund	927,500	10,813,547
600 Small-Cap Fund	412,380	7,772,490
Tota	ls \$179,961,823	\$119,133,501

<b>Endowment Fund</b>	2021/2022 FISCAL YEAR TO DATE <u>GAINS(LOSSES)</u>	2020/2021 FISCAL YEAR TO DATE <u>GAINS(LOSSES)</u>
Fixed Income Pool	(\$1,890,775)	(\$2,305,498)
500 Large-Cap Fund	181,083,173	100,431,747
400 Mid-Cap Fund	877,297	10,276,710
600 Small-Cap Fund	5,767,495	14,471,903
Totals	\$185,837,190	\$122,874,861

## PERM LAND ENDOWMENT TRUST FUND FIXED-INCOME POOLS PURCHASES & SALES SEPTEMBER 2021

I.	<b>Endowment Funds Purchases</b>							
				WAL	PAR	<b>PURCHASE</b>		MOODY'S
<u>POOL</u>	SECURITY DESCRIPTION	<u>RATE</u>	<b>MATURITY</b>	<u>YEARS (1)</u>	<u>VALUE</u>	<u>COST</u>	<b>YIELD</b>	<b>RATING</b>
205	ANGLESEA	0.12	01/05/2022	NA	\$10,000,000	\$9,996,467	0.12%	P-1
205	BREAN	1.00	10/25/2061	NA	10,000,000	9,808,203	1.02%	Aaa
205	CANCARA	0.10	12/27/2021	NA	15,000,000	14,996,250	0.10%	P-1
205	CEDAR SPRING	0.18	03/25/2022	NA	15,000,000	14,986,350	0.18%	P-1
205	CONCORD	0.15	02/03/2022	NA	15,000,000	14,992,125	0.15%	P-1
205	DISNEY	0.23	09/15/2022	NA	10,000,000	9,976,808	0.23%	P-1
205	GNMA	1.00	08/20/2071	3.03	10,000,000	10,953,125	0.91%	Aaa
205	HALKIN	0.12	12/27/2021	NA	15,000,000	14,995,300	0.12%	P-1
205	HALKIN	0.12	12/29/2021	NA	10,000,000	9,996,967	0.12%	P-1
205	HARLEY-DAVIDSON	0.32	02/18/2022	NA	5,000,000	4,993,156	0.32%	P-3
205	INSTITUTIONAL SECURED	0.14	01/05/2022	NA	15,000,000	14,994,342	0.14%	P-1
205	MOUNTCLIFF	0.13	11/19/2021	NA	12,500,000	12,497,698	0.13%	P-1
205	VW CR	0.14	10/14/2021	NA	15,000,000	14,998,775	0.14%	P-2
205	VW CR	0.15	10/21/2021	NA	15,000,000	14,998,125	0.15%	P-2
123	ANGLESEA	0.12	01/05/2022	NA	15,000,000	14,994,700	0.12%	P-1
123	AT&T	0.20	01/20/2022	NA	15,000,000	14,989,917	0.20%	P-2
123	CEDAR SPRING	0.12	12/06/2021	NA	11,000,000	10,997,470	0.12%	P-1
123	CONCORD	0.15	02/03/2022	NA	20,000,000	19,989,500	0.15%	P-1
123	DISNEY	0.23	09/15/2022	NA	15,000,000	14,965,213	0.23%	P-1
123	HALKIN	0.12	12/29/2021	NA	10,000,000	9,996,967	0.12%	P-1
123	INSTITUTIONAL SECURED	0.14	01/05/2022	NA	5,000,000	4,998,114	0.14%	P-1
123	VW CR	0.15	10/21/2021	NA	20,000,000	19,997,500	0.15%	P-2
	TOTAL ENDOWMENT FUND	S PURCE	IASES	_	\$283,500,000	\$284,113,070		
				_				
II.	<b>Endowment Funds Sales</b>							
					PAR	NET	SALES	MOODY'S
<u>POOL</u>	SECURITY DESCRIPTION		<u>MATURITY</u>		<u>VALUE</u>	<u>PROCEEDS</u>	GAINS/(LOSSES)	<u>RATING</u>
	TOTAL ENDOWMENT FUND	S SALES		=	\$0	\$0	\$0	

<sup>(1)</sup> 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 SEPTEMBER 2021

#### I. Equity Fund Purchases

TOTAL EQUITY PURCHASES	324,845	\$42,577,034	\$2,436
600 Small-Cap Fund	168,371	21,803,954	1,263
500 Large-Cap Fund	120,474	14,194,695	904
400 Mid-Cap Fund	36,000	\$6,578,384	\$270
	<u>SHARES</u>	PURCHASE COST	<u>COMMISSIONS</u>

#### II. Equity Funds Sales

TOTAL EQUITY SALES	2,214,877	\$292,439,440	\$16,613
600 Small-Cap Fund	0	0	0
500 Large-Cap Fund	2,127,184	287,684,102	15,955
400 Mid-Cap Fund	87,693	\$4,755,338	\$658
	<u>SHARES</u>	SALES AMOUNT	<u>COMMISSIONS</u>

# PERMANENT LAND ENDOWMENT TRUST FUND INVESTMENTS OUTSTANDING SEPTEMBER 30, 2021 (In Thousands)

State Treasurer's Report October 26, 2021 Page 40

FUND	NAME OF FUND	SHARES OUTSTANDING	BOOK VALUE	MARKET VALUE	UNREALIZED GAINS (LOSSES)	Mkt Value/ Book Value
101	A & M Colleges	Ф2.22	Ф2.272	фо. 202	Φ <b>7</b> .021	
	Shares in Equity Pools Shares in Fixed Income Pools	\$323 3,208	\$2,272 2,297	\$9,293 6,093	\$7,021 3,796	
			<u> </u>		· 	
	Total	3,531	4,568	15,385	10,817	3.368
102	State Hospital					
102	Shares in Equity Pools	313	3,661	9,012	5,351	
	Shares in Fixed Income Pools	3,248	3,178	6,168	2,990	
	Total	3,561	6,839	15,180	8,341	2.220
103	Leg., Exec, & Jud					
	Shares in Equity Pools	265	1,999	7,613	5,614	
	Shares in Fixed Income Pools	2,852	2,044	5,417	3,373	
	Total	3,117	4,044	13,030	8,986	3.222
104	Military Institute					
	Shares in Equity Pools	18	138	508	370	
	Shares in Fixed Income Pools	196	138	371	234	
	Total	213	276	880	604	3.186
105	Miners Hospital					
	Shares in Equity Pools	853	7,816	24,541	16,726	
	Shares in Fixed Income Pools	8,542	7,549	16,223	8,674	
	Total	9,395	15,365	40,765	25,400	2.653
107	Normal School ASU/NAU					
	Shares in Equity Pools	161	1,405	4,638	3,233	
	Shares in Fixed Income Pools	1,665	1,340	3,161	1,821	
	Total	1,826	2,745	7,799	5,054	2.841
108	Penitentiaries					
	Shares in Equity Pools	529	4,481	15,211	10,731	
	Shares in Fixed Income Pools	5,403	4,449	10,261	5,811	
	Total	5,931	8,930	25,472	16,542	2.852

# PERMANENT LAND ENDOWMENT TRUST FUND INVESTMENTS OUTSTANDING SEPTEMBER 30, 2021 (In Thousands)

State Treasurer's Report October 26, 2021 Page 41

	NAME OF FUND	SHARES OUTSTANDING	BOOK VALUE	MARKET VALUE	UNREALIZED GAINS (LOSSES)	Mkt Value/ Book Value
109	Permanent Common School  Shares in Equity Pools  Shares in Fixed Income Pools	147,341 1,479,675	1,266,187 1,244,802	4,239,344 2,810,229	2,973,157 1,565,427	
	Total	1,627,016	2,510,989	7,049,574	4,538,585	2.807
440						
110	School for Deaf & Blind  Shares in Equity Pools  Shares in Fixed Income Pools	193 2,200	1,629 1,742	5,552 4,177	3,924 2,436	
	Total	2,393	3,370	9,730	6,359	2.887
111	School of Mines					
111	Shares in Equity Pools	366	2,748	10,533	7,785	
	Shares in Fixed Income Pools	3,763	2,794	7,146	4,352	
	Total	4,129	5,542	17,679	12,138	3.190
112	State Charitable					
112	Shares in Equity Pools	4,801	49,575	138,140	88,565	
	Shares in Fixed Income Pools	46,935	43,505	89,140	45,635	
	Total	51,736	93,079	227,280	134,201	2.442
110						
113	University Fund  Shares in Equity Pools	979	12,709	28,175	15,467	
	Shares in Fixed Income Pools	10,109	10,256	19,200	8,944	
	Total	11,089	22,964	47,375	24,411	2.063
114	U Of A Land - 1881	2 502	25 415	74.570	40 155	
	Shares in Equity Pools Shares in Fixed Income Pools	2,592 26,649	25,415 23,099	74,570 50,611	49,155 27,513	
	Total	\$29,240	\$48,514	\$125,181	\$76,667	2.580
	TOTALS - ALL FUNDS	4.50.50	1.000.00	4 # < = 400	2 40 - 00 -	
	Shares in Equity Pools Shares in Fixed Income Pools	158,734 1,594,443	1,380,035 1,347,191	4,567,132 3,028,198	3,187,097 1,681,007	
	Grand Total	\$1,753,176	\$2,727,226	\$7,595,331	\$4,868,104	
	PRIOR YEAR: SEPTEMBER 2020 BALANCES	\$1,759,137	\$2,634,599	\$6,273,134	\$3,638,534	

# PERMANENT LAND ENDOWMENT TRUST FUND INVESTMENTS OUTSTANDING SEPTEMBER 30, 2021

State Treasurer's Report October 26, 2021 Page 42

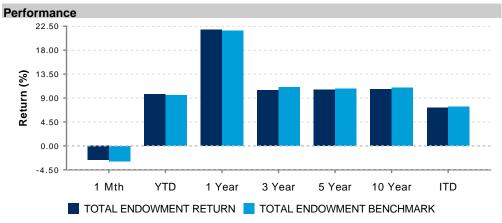
#### ASSET ALLOCATION PERCENTAGE

	SHARES	BOOK	MARKET	SEPTEMBER 2020
	OUTSTANDING	VALUE	VALUE	MARKET VALUE
Equity Pools	9.05%	50.60%	60.13%	59.34%
Fixed Income Pools	90.95%	49.40%	39.87%	40.66%
Total	100.00%	100.00%	100.00%	100.00%

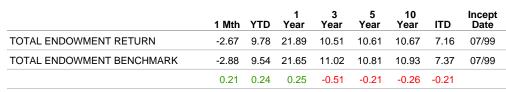
**September 30, 2021** 

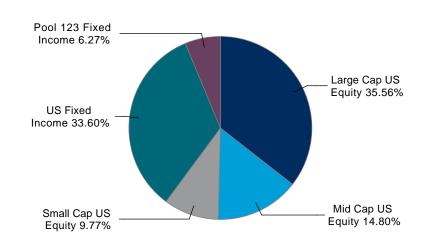
**Total Endowment Summary** 

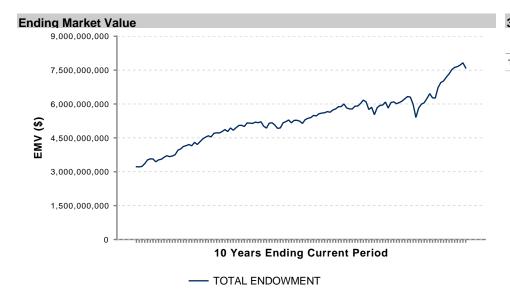




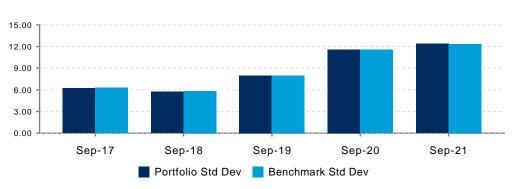
Asset Allocation	
	Ending Market Value
TOTAL ENDOWMENT RETURN	7,595,330,576











**September 30, 2021** 

Total Returns Net Mgr





**September 30, 2021** 

ST OF AZ POOL 201 LARGE CAP

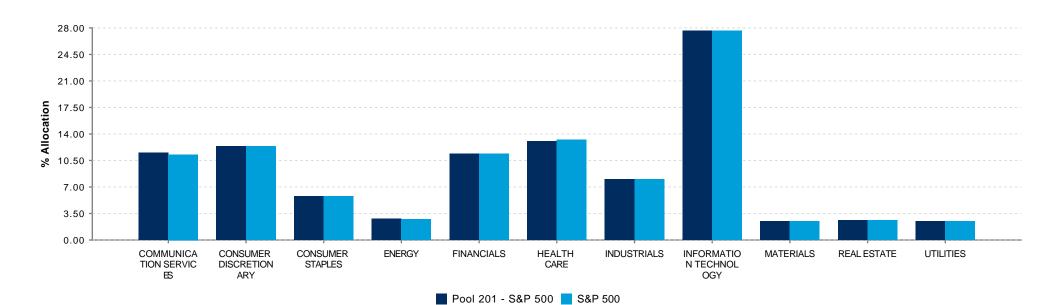




**September 30, 2021** 

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	11.50	11.29	0.21
CONSUMER DISCRETIONARY	12.38	12.36	0.02
CONSUMER STAPLES	5.78	5.77	0.01
ENERGY	2.80	2.75	0.05
FINANCIALS	11.39	11.39	-0.00
HEALTH CARE	13.01	13.25	-0.24
INDUSTRIALS	8.00	8.04	-0.04
INFORMATION TECHNOLOGY	27.61	27.63	-0.02
MATERIALS	2.48	2.48	0.00
REAL ESTATE	2.59	2.58	0.00
UTILITIES	2.46	2.46	0.00

**September 30, 2021** 

ST OF AZ POOL 203 MID CAP

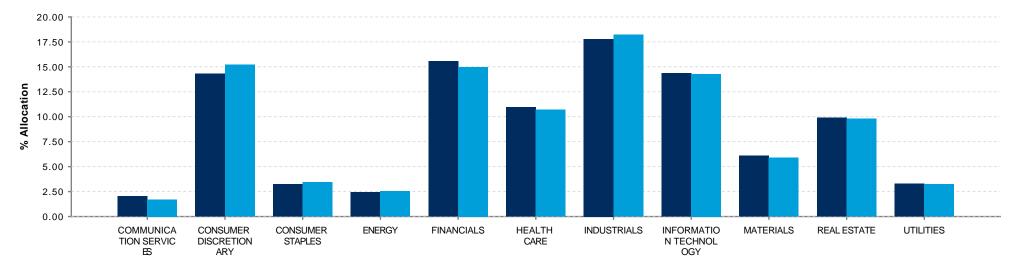




**September 30, 2021** 

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





	Pool 203 - S&P 400	S&P 400
	1 001 200 - 001 - 400	OG1 700

	Weight Fund	Weight Benchmark	Weight Relative
ST OF AZ POOL 203 MID CAP	100.00	100.00	0.00
COMMUNICATION SERVICES	2.04	1.71	0.34
CONSUMER DISCRETIONARY	14.30	15.23	-0.93
CONSUMER STAPLES	3.25	3.45	-0.20
ENERGY	2.43	2.55	-0.12
FINANCIALS	15.56	14.98	0.58
HEALTH CARE	10.97	10.68	0.29
INDUSTRIALS	17.79	18.20	-0.42
INFORMATION TECHNOLOGY	14.36	14.28	0.08
MATERIALS	6.11	5.90	0.22
REAL ESTATE	9.92	9.79	0.13
UTILITIES	3.27	3.22	0.04

**September 30, 2021** 

ST OF AZ POOL 204 SMALL CAP

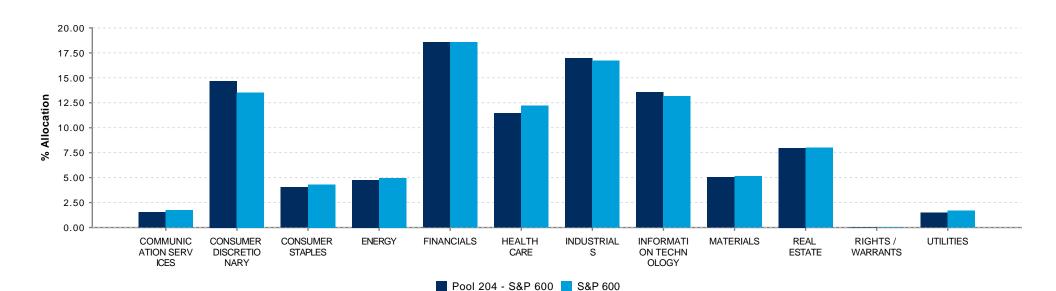




**September 30, 2021** 

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





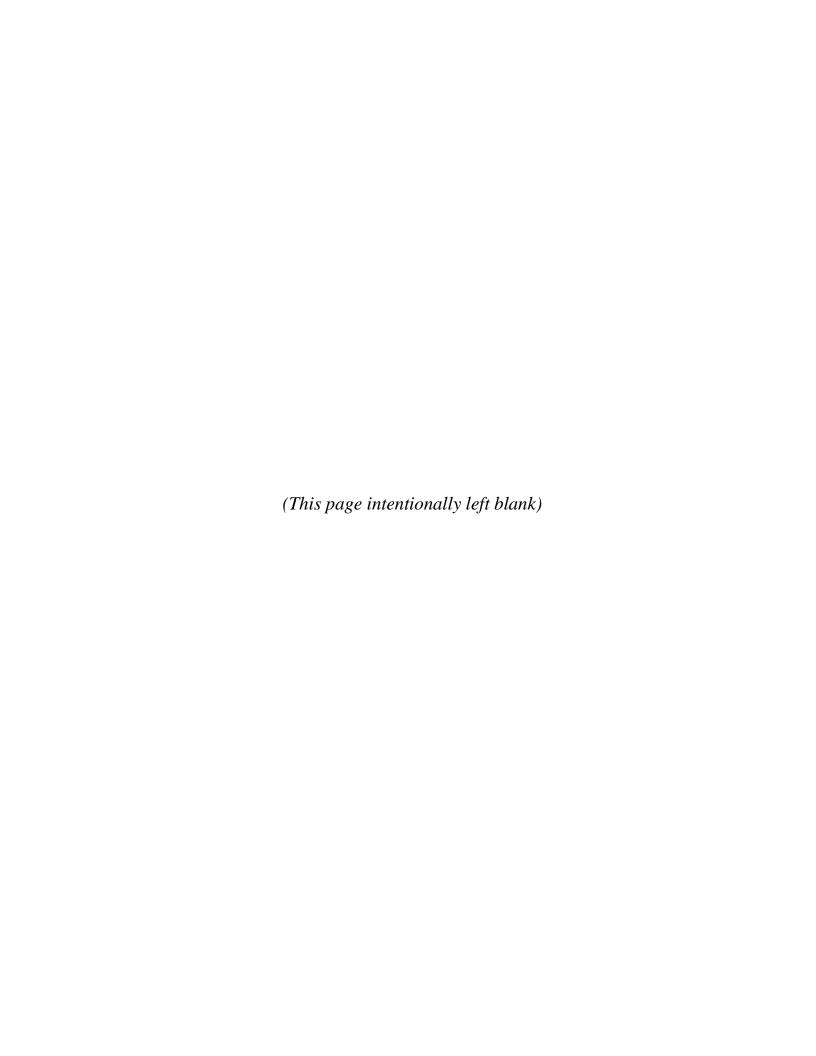
	Weight Fund	Weight Benchmark	Weight Relative
ST OF AZ POOL 204 SMALL CAP	100.00	100.00	0.00
COMMUNICATION SERVICES	1.52	1.73	-0.21
CONSUMER DISCRETIONARY	14.68	13.53	1.16
CONSUMER STAPLES	4.03	4.31	-0.28
ENERGY	4.76	4.96	-0.21
FINANCIALS	18.55	18.56	-0.01
HEALTH CARE	11.44	12.22	-0.78
INDUSTRIALS	16.95	16.71	0.24
INFORMATION TECHNOLOGY	13.56	13.17	0.39
MATERIALS	5.03	5.13	-0.10
REAL ESTATE	7.97	8.00	-0.03
RIGHTS / WARRANTS	0.01	0.00	0.01
UTILITIES	1.50	1.68	-0.18

**September 30, 2021** 

POOL 205 FIXED INCOME



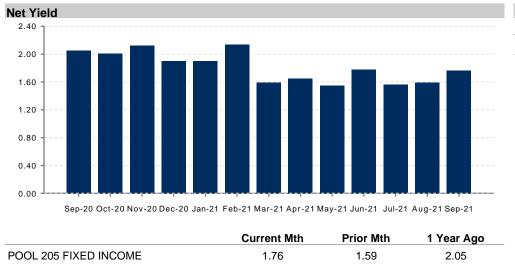




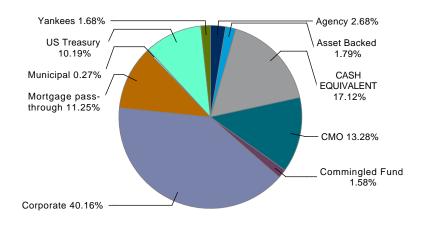
**September 30, 2021** 

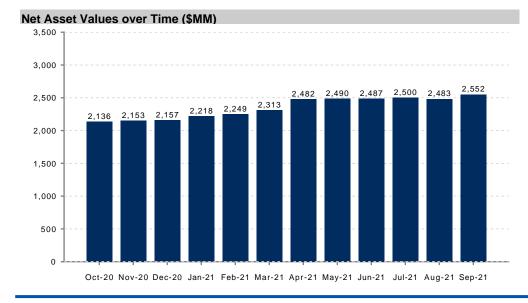
#### **POOL 205 FIXED INCOME**





Asset Allocation	
	Ending Market Value
POOL 205 FIXED INCOME	2,551,685,322



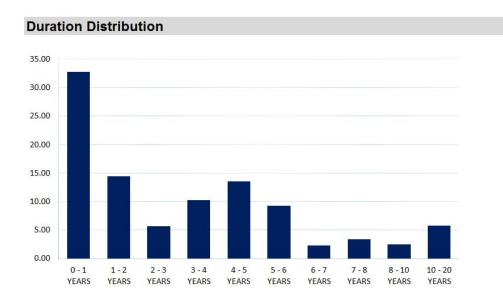


Top 10 Holdings		
Security Name	Ending Market Value	% of Portfolio
POOL 205 FIXED INCOME		
BLACKROCK PROV TEMP	41,818,101	1.64
BOEING CO	35,123,451	1.38
NVIDIA CORP	35,035,296	1.37
US TREASURY N/B	28,889,495	1.13
ISHARES TIPS BOND ETF	25,743,964	1.01
US TREASURY N/B	25,681,012	1.01
US TREASURY N/B	22,562,457	0.88
MERCK + CO INC	20,992,809	0.82
CHEVRON USA INC	20,060,647	0.79
PEPSICO INC	20,052,617	0.79

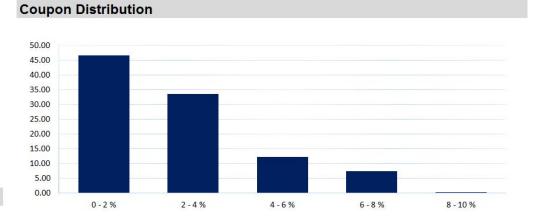
**September 30, 2021** 

**POOL 205 FIXED INCOME** 

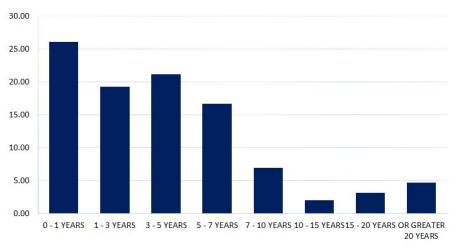


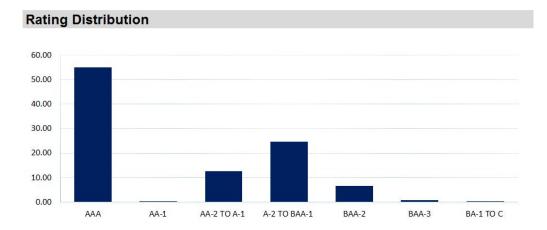


## Portfolio Level Characteristics Effective Maturity 5.10 Coupon 2.48 Effective Duration 3.44 Quality Rating (Moody's) AA-3



#### **Expected Maturity Distribution**





**September 30, 2021** 

ST OF AZ POOL 123 ST FIXED INC

**POOL 123 ST** 



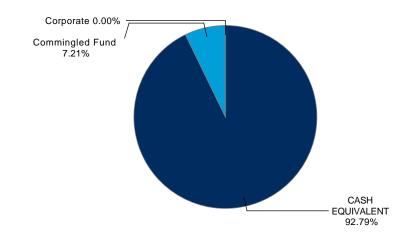


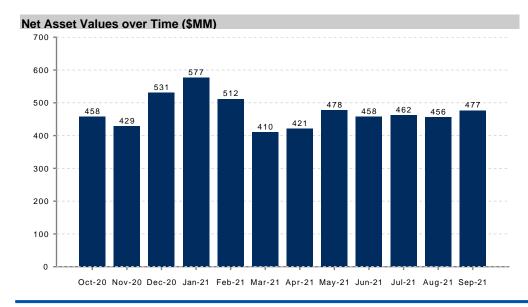
0.15

0.17

0.17

Asset Allocation	
	Ending Market Value
ST OF AZ POOL 123 ST FIXED INC	476,512,980



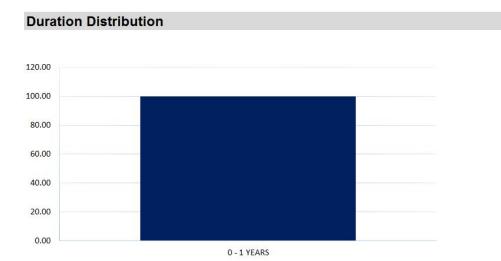


Top 10 Holdings		
Security Name	Ending Market Value	% of Portfolio
ST OF AZ POOL 123 ST FIXED INC		
ATLANTIC ASSET SECUR	19,997,833	4.20
CIESCO LLC	14,999,787	3.15
CONCORD MIN CPTL CO	19,989,583	4.19
INSTITUTIONAL SECURED	14,999,800	3.15
LEXINGTN PKR CAP CO LL	19,985,417	4.19
MOUNTCLIFF	19,996,622	4.20
STARBIRD FDG. CORP	14,999,800	3.15
VW CR INC	19,998,333	4.20
ANGLESEA FDG PLC & ANG	15,000,000	3.15
LOCAL GOVERNMENT INVEST POOL	34,367,270	7.21

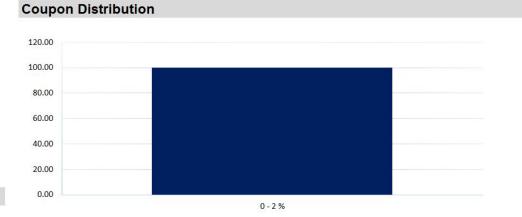
**September 30, 2021** 

**POOL 123 ST** 

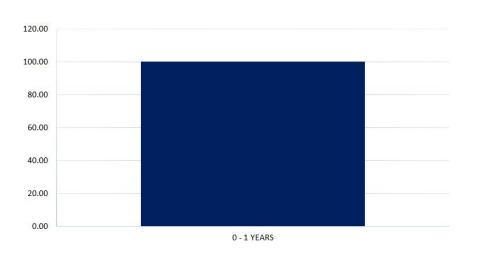




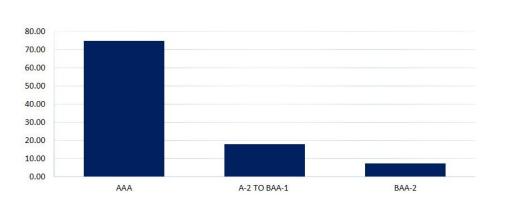
## Portfolio Level Characteristics Effective Maturity 0.17 Coupon 0.17 Effective Duration 0.17 Quality Rating (Moody's) AA-2

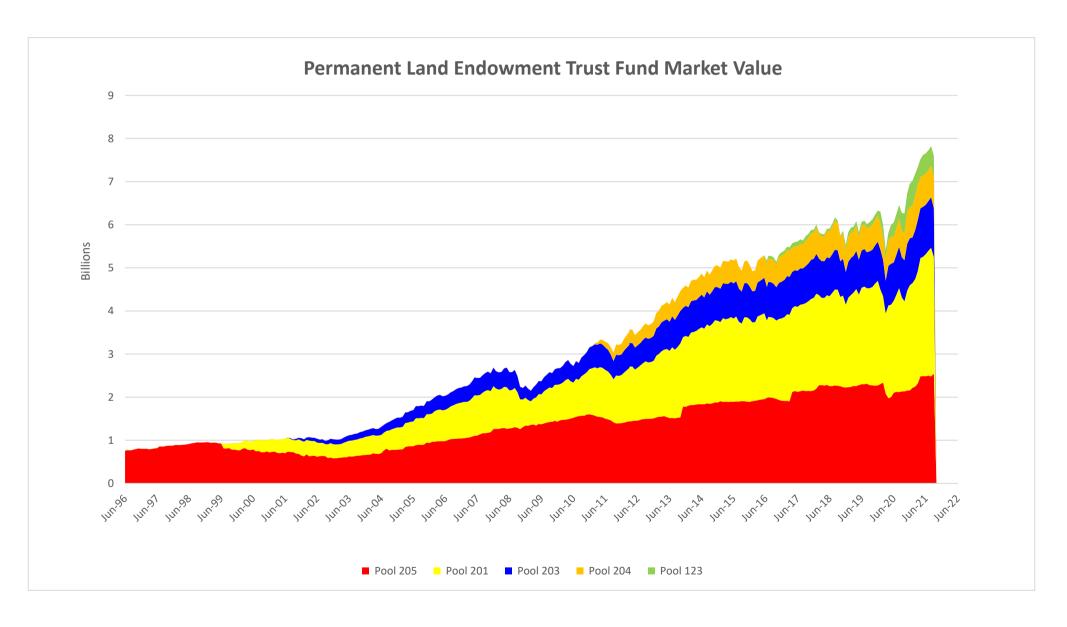


#### **Expected Maturity Distribution**



#### **Rating Distribution**





#### ARIZONA ENDOWMENT TRUST FUND

#### **NET REALIZED CAPITAL GAIN/(LOSS)**

	<u>September 2021</u>	September 2020
Current Month	\$0	\$0
Year-to-date	0	0

#### MONTHLY PROCEEDS

#### FY 21/22

July	\$2,649,610				
August	2,634,412				
September	2,640,561				
October					
November					
December					
January					
February					
March					
April					
May					
June					
TOTAL	\$7,924,582				

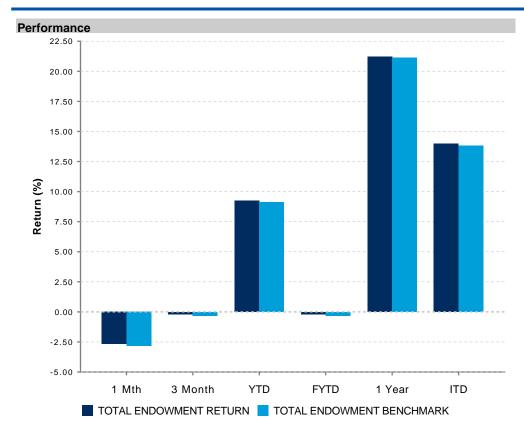
#### ASSET ALLOCATION

	SHARES OUTSTANDING	BOOK <u>VALUE</u>	MARKET <u>VALUE</u>	UNREALIZED GAIN / (LOSS)
Fixed Income Pools	848,163	\$10,482,320	\$11,776,019	\$1,293,698
Equity Pools	1,400,978	15,723,481	17,245,405	1,521,925
TOTAL	2,249,141	\$26,205,801	\$29,021,424	\$2,815,623

**September 30, 2021** 

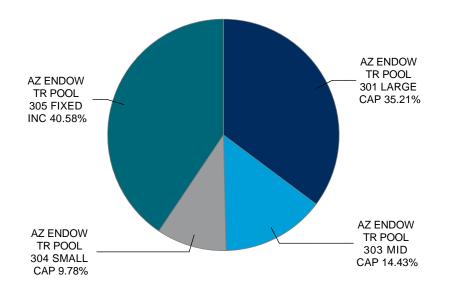
Arizona Endowment Trust Fund Summary





	1 Mth	3 Mth	YTD	FYTD	1 Year	ITD	Incept Date
TOTAL ENDOWMENT RETURN	-2.67	-0.19	9.27	-0.19	21.24	13.97	09/19
TOTAL ENDOWMENT BENCHMARK	-2.84	-0.32	9.13	-0.32	21.12	13.83	09/19
	0.17	0.13	0.14	0.13	0.13	0.14	

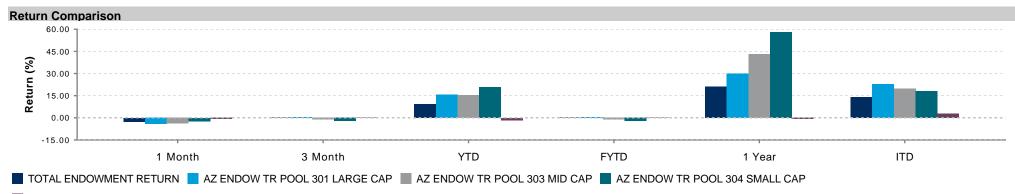




**September 30, 2021** 

Total Returns Net Mgr

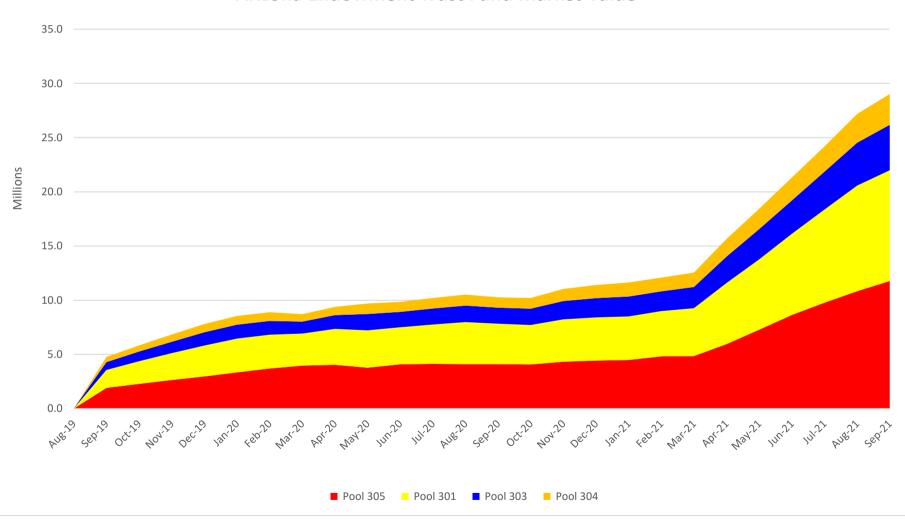




	AZ ENDOW	TR POOL	305 FIXED	INC
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Market Value	Actual Weight	1 Mth	3 Mth	YTD	FYTD	1 Year	ITD	Inc Date
29,021,424	100.00	-2.67	-0.19	9.27	-0.19	21.24	13.97	Sep-01-19
		-2.84	-0.32	9.13	-0.32	21.12	13.83	Sep-01-19
		0.17	0.13	0.14	0.13	0.13	0.14	
10,218,717	35.21	-4.21	0.52	15.86	0.52	29.87	22.74	Sep-01-19
		-4.65	0.58	15.92	0.58	30.00	22.47	Sep-01-19
		0.44	-0.06	-0.06	-0.06	-0.13	0.27	
4,187,091	14.43	-3.99	-1.29	15.33	-1.29	43.30	19.72	Sep-01-19
		-3.97	-1.76	15.52	-1.76	43.68	19.49	Sep-01-19
		-0.01	0.47	-0.19	0.47	-0.38	0.23	
2,839,598	9.78	-2.36	-2.11	20.74	-2.11	58.28	18.14	Sep-01-19
		-2.43	-2.84	20.05	-2.84	57.64	21.27	Sep-01-19
		0.07	0.73	0.69	0.73	0.64	-3.12	
11,776,019	40.58	-0.88	-0.12	-1.67	-0.12	-0.95	2.92	Sep-01-19
		-0.89	0.02	-1.58	0.02	-0.82	2.68	Sep-01-19
		0.01	-0.14	-0.09	-0.14	-0.13	0.24	
	Value 29,021,424  10,218,717  4,187,091  2,839,598	Value         Weight           29,021,424         100.00           10,218,717         35.21           4,187,091         14.43           2,839,598         9.78	Value         Weight         1 Mth           29,021,424         100.00         -2.67           -2.84         0.17           10,218,717         35.21         -4.21           -4.65         0.44           4,187,091         14.43         -3.99           -3.97         -0.01           2,839,598         9.78         -2.36           -2.43         0.07           11,776,019         40.58         -0.88           -0.89	Value         Weight         1 Mth         3 Mth           29,021,424         100.00         -2.67         -0.19           -2.84         -0.32           0.17         0.13           10,218,717         35.21         -4.21         0.52           -4.65         0.58           0.44         -0.06           4,187,091         14.43         -3.99         -1.29           -3.97         -1.76           -0.01         0.47           2,839,598         9.78         -2.36         -2.11           -2.43         -2.84           0.07         0.73           11,776,019         40.58         -0.88         -0.12           -0.89         0.02	Value         Weight         1 Mth         3 Mth         YTD           29,021,424         100.00         -2.67         -0.19         9.27           -2.84         -0.32         9.13           0.17         0.13         0.14           10,218,717         35.21         -4.21         0.52         15.86           -4.65         0.58         15.92           0.44         -0.06         -0.06           4,187,091         14.43         -3.99         -1.29         15.33           -3.97         -1.76         15.52           -0.01         0.47         -0.19           2,839,598         9.78         -2.36         -2.11         20.74           -2.43         -2.84         20.05           0.07         0.73         0.69           11,776,019         40.58         -0.88         -0.12         -1.67           -0.89         0.02         -1.58	Value         Weight         1 Mth         3 Mth         YTD         FYTD           29,021,424         100.00         -2.67         -0.19         9.27         -0.19           -2.84         -0.32         9.13         -0.32           0.17         0.13         0.14         0.13           10,218,717         35.21         -4.21         0.52         15.86         0.52           -4.65         0.58         15.92         0.58           0.44         -0.06         -0.06         -0.06           4,187,091         14.43         -3.99         -1.29         15.33         -1.29           -3.97         -1.76         15.52         -1.76           -0.01         0.47         -0.19         0.47           2,839,598         9.78         -2.36         -2.11         20.74         -2.11           -2.43         -2.84         20.05         -2.84           0.07         0.73         0.69         0.73           11,776,019         40.58         -0.88         -0.12         -1.67         -0.12           -0.89         0.02         -1.58         0.02	Value         Weight         1 Mth         3 Mth         YTD         FYTD         1 Year           29,021,424         100.00         -2.67         -0.19         9.27         -0.19         21.24           -2.84         -0.32         9.13         -0.32         21.12           0.17         0.13         0.14         0.13         0.13           10,218,717         35.21         -4.21         0.52         15.86         0.52         29.87           -4.65         0.58         15.92         0.58         30.00           -4.65         0.58         15.92         0.58         30.00           -4.65         0.58         15.92         0.58         30.00           -4.65         0.58         15.92         0.58         30.00           -4.65         0.58         15.92         0.58         30.00           -4.65         0.58         15.92         0.58         30.00           -4.65         0.58         15.92         0.58         30.00           -5.00         -5.00         -0.06         -0.06         -0.06         -0.13           -5.00         -5.00         -5.20         15.33         -1.29         43.68 <td>Value         Weight         1 Mth         3 Mth         YTD         FYTD         1 Year         ITD           29,021,424         100.00         -2.67         -0.19         9.27         -0.19         21.24         13.97           -2.84         -0.32         9.13         -0.32         21.12         13.83           0.17         0.13         0.14         0.13         0.13         0.14           10,218,717         35.21         -4.21         0.52         15.86         0.52         29.87         22.74           -4.65         0.58         15.92         0.58         30.00         22.47           -4.465         0.58         15.92         0.58         30.00         22.47           -4.65         0.58         15.92         0.58         30.00         22.47           -4.65         0.58         15.92         0.58         30.00         22.47           -4.65         0.58         15.92         0.58         30.00         22.47           -4.187,091         14.43         -3.99         -1.29         15.33         -1.29         43.30         19.72           -4.21         0.47         -0.19         0.47         -0.38         0.23&lt;</td>	Value         Weight         1 Mth         3 Mth         YTD         FYTD         1 Year         ITD           29,021,424         100.00         -2.67         -0.19         9.27         -0.19         21.24         13.97           -2.84         -0.32         9.13         -0.32         21.12         13.83           0.17         0.13         0.14         0.13         0.13         0.14           10,218,717         35.21         -4.21         0.52         15.86         0.52         29.87         22.74           -4.65         0.58         15.92         0.58         30.00         22.47           -4.465         0.58         15.92         0.58         30.00         22.47           -4.65         0.58         15.92         0.58         30.00         22.47           -4.65         0.58         15.92         0.58         30.00         22.47           -4.65         0.58         15.92         0.58         30.00         22.47           -4.187,091         14.43         -3.99         -1.29         15.33         -1.29         43.30         19.72           -4.21         0.47         -0.19         0.47         -0.38         0.23<

#### **Arizona Endowment Trust Fund Market Value**



#### Arizona's Education Savings Plan (AZ529) Summary

#### Overall Performance – Where We Are Now

- AZ529, Arizona's Education Savings Plan:
  - Total assets: \$1,958,166,405 (+19.7% YoY)
    - Total Arizona resident assets: \$899,510,555 (45.9%)
    - o Total non-resident assets: \$1,058,655,850 (54.1%)
  - Total accounts: 95,789 (+6.9% YoY)
    - o Total Arizona resident accounts: 49,384 (51.6%)
    - Total non-resident accounts: 46,405 (48.4%)

#### Fidelity Arizona College Savings Plan |

Fidelity remains the largest AZ529 provider, holding 59.2% of total assets and 60.2% of total accounts. Total Fidelity Arizona College Savings Plan assets in September were up 28.1% YoY to \$1,158,594,806, with total accounts up 15.5% YoY to 57,660. Arizona residents held 72.4% of total assets and 79.6% of total accounts, with the rest held by non-residents.

#### Ivy InvestEd 529 Plan

Ivy remains the second largest AZ529 provider, holding 38.4% of total assets and 37.1% of total accounts. Total Ivy InvestEd 529 Plan assets in September were up 10.7% YoY to \$752,672,951, with total accounts down 3.4% YoY to 35,540. Arizona residents held 6.4% of total assets and 6.6% of total accounts, with the rest held by non-residents.

#### **College Savings Bank Plan**

College Savings Bank (CSB) remains the smallest AZ529 provider, holding 2.4% of total assets and 2.7% of total accounts. Total CSB Plan assets in September were down 9.9% YoY to \$46,898,648, with total accounts down 9.2% YoY to 2,589. Arizona residents held 28.1% of total assets and 44.5% of total accounts, with the rest held by non-residents.

#### AZ529 Plan Assets

	September 30, 2021	September 30, 2020	YoY Change
Fidelity Arizona College Savings Plan	\$1,158,594,806	\$904,287,127	+28.1%
Ivy InvestEd 529 Plan	\$752,672,951	\$680,014,410	+10.7%
College Savings Plan	\$46,898,648	\$52,034,921	-9.9%
TOTAL AZ529 ASSETS	\$1,958,166,405	\$1,636,336,458	+19.7%

#### AZ529 Plan Accounts |

	September 31, 2021	September 31, 2020	YoY Change
Fidelity Arizona College Savings Plan	57,660	49,939	+15.5%
Ivy InvestEd 529 Plan	35,540	36,788	-3.4%
College Savings Plan	2,589	2,850	-9.2%
TOTAL AZ529 ACCOUNTS	95,789	89,577	+6.9%