## OFFICE OF THE ARIZONA STATE TREASURER



Doug Ducey TREASURER



## **FEBRUARY 2014**

## Presented To: Arizona State Board of Investment MARCH 24, 2014

#### STATE BOARD OF INVESTMENT

#### $\underline{A} \underline{G} \underline{E} \underline{N} \underline{D} \underline{A}$

#### March 24, 2014

- 1. Call to Order
- 2. Chairman Remarks
- 3. Approval of February 25, 2014 Minutes
- 4. Review of Treasurer's Monthly Reports
  - A. Earnings Distribution; Investment Pools
  - B. LGIP Pools Investments and Performance Reports
  - C. State Agency Pools Investments and Performance Reports
  - D. Operating Monies Invested Balances
  - E. Earnings Distributed Endowment Funds
  - F. Endowment Investments and Performance Reports
- 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

#### March 24, 2014

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#### Minutes of BOARD OF INVESTMENT MEETING

The regular meeting of the State Board of Investment was held on February 25, 2014 in the Office of the State Treasurer, 1700 West Washington, State Capitol, West Wing, Treasurer's Conference Room, Phoenix, Arizona. Treasurer Ducey called the meeting to order at approximately 1:34 p.m.

#### **Members Present:**

Doug Ducey, Chair, State Treasurer Lauren Kingry, Superintendent, Department of Financial Institutions Harry A. Papp, CFA and Managing Partner, L. Roy Papp & Associate Brian McNeil, Director of Arizona Department of Administration

#### **Others Present:**

Mark Swenson, Deputy Treasurer, Arizona State Treasurer's Office Carlton Woodruff, 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 Chris Petkiewicz, Portfolio Manager, Arizona State Treasurer's Office Martin Kelly, Investment Analyst, Arizona State Treasurer's Office Dale Stomberg, Investment Accounting Manager, Arizona State Treasurer's Office Kevin Donnellan, Director of Communications, Arizona State Treasurer's Office Randy Pullen, Past ARP Chairman and Arizona State Treasurer Candidate Ally Miller, Pima County Board of Supervisor Representative, District 1 Jennifer Coyle, Chief of Staff, Ally Miller, Pima County Board of Supervisors,

Pursuant to A.R.S. 35-311, the following reports for January, 2014 were submitted for the Board's approval:

Review of Treasurer's Monthly Reports:

Earnings Distribution; Investment Pools

LGIP Pools Investments and Performance Reports

State Agency Pools Investments and Performance Reports

**Operating Monies Invested Balances** 

Earnings Distributed Endowment Funds

Endowment Investments and Performance Reports

#### 1. Call to Order:

Treasurer Ducey called the February 25, 2014 BOI meeting to order at approximately 1:34 pm.

#### 2. Treasurers Comments:

Treasurer Ducey welcomed the board members and guests and thanked all present for attending the February 25, 2014 meeting.

#### **3.** Approval of Minutes:

Mr. Papp made a motion to approve the January 27, 2014 minutes. Mr. Kingry seconded the motion. Motion carried.

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

#### **Earnings Distribution – Investment Pools**

Mr. Petkiewicz 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 January, 2014.

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

Mr. Petkiewicz 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. Petkiewicz reported the net yields for the LGIP and LGIP-Gov Pools, as well as the comparisons to their relative benchmarks for the month of January, 2014.

#### Pool 500 & Pool 700 Portfolio Yield Analysis

Mr. Petkiewicz reported the net yield for the LGIP Medium Term Pools and the comparison to the benchmark for the month of January, 2014.

#### Manager Allocation of Invested Monies for the LGIP Pools

Mr. Petkiewicz 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 January 31, 2014.

#### LGIP Pools Investments and Performance Reports

Mr. Petkiewicz reported the total net assets, the weighted average life, the weighted average rating, and the total number of holdings on the LGIP, LGIP-Gov, and LGIP Medium Term pools for the month of January, 2014.

#### **Review of Treasurer's Monthly Report – Agency Pools:**

Treasurer Ducey expressed his gratitude for Ms. Humbert dedication and congratulated her on her recent promotion to Chief Investment Officer.

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 January, 2014.

#### 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 January 31, 2014.

#### **Investments Outstanding in State Agency Pools**

Ms. Humbert reported the total net assets, the weighted average life, the weighted average duration, the weighted average rating, and the total number of holdings for the State Agency Investment Pools as of January 31, 2014.

Mr. McNeil referenced Page 10 of the monthly report with regard to Funds 10 - 16. Mr. McNeil asked Ms. Humbert for clarity in interpreting the comparative funds yields vs. the index and the best way to understand the differences in these particular funds. Ms. Humbert provided an explanation and after a brief discussion, Mr. McNeil suggested that it would be best to include a footnote to the page to explain the comparative index and to avoid any confusion and or concern of possible underperformance of the funds in question. Ms. Humbert agreed to include the footnote moving forward.

#### **Operating Monies Average Invested Balance**

Ms. Humbert reported the Operating Monies average invested balance for the month of January, 2014.

#### **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 January, 2014.

#### **Endowment Funds Yield Analysis**

Mr. White reported the net yield of the Endowment Fund Fixed Income Pool for the month of January, 2014.

#### 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 January 2014 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 January, 2014.

#### **Equity Funds Purchases & Sales**

Mr. White reported the purchases and sales (summary) of the Endowment Equity Pools for the month of January, 2014.

#### **Investments Outstanding in Endowment Funds**

Mr. White reported the par, book, market value, and unrealized gains/loss of the Endowment Funds as of January 31, 2014.

#### **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 January 31, 2014.

#### 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 January 31, 2014.

#### 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 January 31, 2014.

#### 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 January 31, 2014.

#### 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 January 31, 2014.

#### **Fixed Income Investments and Performance Reports**

Mr. White reported the total net assets, the weighted average life, the weighted average duration, the weighted average yield to maturity, the weighted average rating, and the total number of holdings for the Fixed Income Pool for the month of January, 2014.

#### **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 January, 2014.

#### **Approval of Treasurer's Report**

Mr. Kingry made a motion to approve the Treasurer's Report. Mr. McNeil seconded the motion. Motion carried.

- **5. Proposed Changes to Investment Policy:** No proposed changes.
- 6. Review and approval of Proposed/Pending Securities Dealers: There were no Securities Dealers to be approved.
- 7. General Business: There was no general business.
- 8. Call to the Public

There was no public comment.

9. Notice of Next Meeting:

Treasurer Ducey advised the Board that the next regular meeting of the Board of Investment will be Monday, March 24, 2014 at 1:30 p.m. at 1700 West Washington, State Capitol, West Wing, Treasurer's Conference Room, Phoenix, Arizona.

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

#### **10. Adjournment:**

Mr. McNeil made a motion to adjourn the BOI meeting. Mr. Papp seconded the motion. Upon unanimous approval the BOI Meeting was adjourned at 2:11 p.m.

Respectfully Submitted by:

Barbara Conley Executive Consultant II

Approved by:

Doug Ducey, Chair

Date

#### EARNINGS DISTRIBUTION - INVESTMENT POOLS FEBRUARY 2014

	Fiscal YTD			
Recipient	FEBRUARY 2014	YTD 13/14	Fiscal	Investment Management Fees Received
General Fund		\$9,987,243	\$8,960,431	
2 State Agencies - Full Faith & Credit	490,579	4,147,248	4,090,812	\$382,966
3 State Agencies - Diversified (Combined)	874,987	8,765,519	8,677,117	882,145
4 State Agencies - Gov	394,140	3,543,628	3,501,336	390,272
5 LGIP	95,309	1,068,592	1,782,771	502,201
7 LGIP Gov	34,208	294,927	1,097,764	365,073
10 Tax-exempt Non-AMT Municipal Bonds	0	0	0	110,978
12 CAWCD Medium-Term	377,689	3,541,705	4,001,682	106,758
15 GADA Long-Term	16,447	143,705	138,083	4,488
16 ECDH Medium-Term	442,563	3,766,581	3,654,501	136,934
Subtotal	\$4,069,446	\$35,259,148	\$35,904,497	\$2,881,815
NAV POOL				
500 LGIP - Med Term	261,400	2,093,426	2,317,122	106,805
700 LGIP - FF&C Med Term	161,775	1,350,733	1,503,846	84,809
Total	\$4,492,620 ======	\$38,703,307 =======	\$39,725,465	\$3,073,429
FEBRUARY 2013 TOTALS	\$4,810,989 =======			\$3,196,440

\* Note: All earnings distributed for Pool 10 Tax-exempt Non-AMT Municipal Bonds are reported in the General Fund line item.

#### LGIP & LGIP- GOV PORTFOLIO YIELD ANALYSIS FEBRUARY 28, 2014

#### **NET EARNINGS**

FUND	DESCRIPTION	Current Month 02/28/14	Prior Month 01/31/14	Prior Year 2/28/13	Net Asset Value <u>Per Share</u>
5 L0	GIP	97,840	154,672	168,986	1.0000
7 L0	GIP - GOV	35,155	40,134	83,471	1.0000
тс	OTAL LGIP & LGIP-GOV	132,994	194,806	252,457	

	<u>YIELDS</u>				
	MONTHLY	Current Month 02/28/14	Prior Month 01/31/14	Prior Year 2/28/13	
5	LGIP (NET)	0.10%	0.13%	0.17%	
	S & P LGIP INDEX	0.05%	0.05%	0.07%	
7	LGIP - GOV (NET)	0.05%	0.05%	0.08%	
	3 MONTH T-BILL	0.04%	0.04%	0.09%	
	YEAR TO DATE				
5	LGIP (NET)	0.12%	0.12%	0.22%	
	S & P LGIP INDEX	0.05%	0.05%	0.10%	
7	LGIP - GOV (NET)	0.05%	0.05%	0.12%	
	3 MONTH T-BILL	0.04%	0.04%	0.08%	

\* Note: The LGIP-GOV Pool consists of <u>only</u> securities explicitly backed by the full faith & credit of the US Government.

#### LGIP & LGIP- GOV MEDIUM TERM POOLS PORTFOLIO YIELD ANALYSIS FEBRUARY 28, 2014

#### **NET EARNINGS**

FUND	DESCRIPTION	Current Month 02/28/14	Prior Month 01/31/14	Prior Year 2/28/13	Net Asset Value <u>Per Share</u>
500	LGIP - MED TERM POOL	281,511	271,705	320,725	1.0319
700	LGIP - FF&C MED TERM POOL	161,775	150,862	189,846	1.0031
	TOTAL LGIP MEDIUM TERM POOLS	443,285	422,567	510,571	

#### **YIELDS**

	MONTHLY	Current	Prior	Prior
		Month	Month	Year
		02/28/14	01/31/14	2/28/13
500	LGIP - MED TERM (NET)	1.16%	1.12%	1.42%
	MERRILL 1-5 US D M INDEX	1.12%	1.15%	1.12%
700	LGIP - FF&C MED TERM (NET)	0.93%	0.79%	1.01%
	75% MERRILL 1-5 US TREAS INDEX / 25% MERRILL US GNMA MORTGAGE BACKED INDEX	1.25%	1.25%	0.80%
	YEAR TO DATE			
500	LGIP - MED TERM (NET)	1.17%	1.18%	1.40%
	MERRILL 1-5 US D M INDEX	1.20%	1.21%	0.99%
700	LGIP - FF&C MED TERM (NET)	0.89%	0.88%	1.16%
	75% MERRILL 1-5 US TREAS INDEX / 25% MERRILL US GNMA MORTGAGE BACKED INDEX	1.27%	1.27%	0.65%

Note: Yield calculation changed from share value to market value. Prior month and prior year shown was also adjusted for comparison purposes.

# Manager Allocation - Daily Arizona State Treasury (05509) As of February 28, 2014

LGIP composite (00550903)		
Account Name	Market Value(MIL)	Percent of Portfolio
State of Arizona - Pool 5 (LGIP) (10327300)	1,372.06	47.6%
State of Arizona - Pool 500 (LGIP - Med Term) (10327700)	292.21	10.1%
State of Arizona - Pool 7 (LGIP - FF&C) (10327400)	1,007.99	35.0%
State of Arizona - Pool 700 (LGIP-FF&C Med Term) (10563200)	209.47	7.3%
TOTAL	2,881.74	100.0%

State of Arizona - Pool 5 (LGIP) (10327300)
 State of Arizona - Pool 700 (LGIP-FF&C Med Term)
 State of Arizona - Pool 500 (LGIP - Med Term) (1
 State of Arizona - Pool 7 (LGIP - FF&C) (1032740



Portfolio Characteristics

State of Arizona - Pool 5 (LGIP) (10327300) Portfolio Fact Sheet

6 of Asset

February 2014



Top Ten Portfolio Holdings

Maturity Da

upon Rate













State of Arizona - Pool 7 (LGIP - FF&C) (10327400)

Portfolio Fact Sheet February 2014





State of Arizona - Pool 500 (LGIP - Med Term) (10327700)

Portfolio Fact Sheet







State of Arizona - Pool 700 (LGIP-FF&C Med Term) (10563200)

Portfolio Fact Sheet









#### STATE AGENCY POOLS PORTFOLIO EARNINGS ANALYSIS February 28, 2014

FUND	DESCRIPTION	Current Month 02/28/14	Prior Month 01/31/14	Prior Year 2/28/13	Net Asset Value Per Share
FUND	DESCRIPTION	02/20/14	01/31/14	2/20/13	<u>rei Silare</u>
2	STATE AGENCIES - FULL FAITH & CREDIT	663,006	572,193	974,875	0.9948
3	STATE AGENCIES - DIVERSIFIED				
	INTERNAL MANAGERS	1,578,003	1,642,379	1,483,232	0.9949
	EXTERNAL MANAGERS	48,780	46,691	49,434	1.0016
	FUND 3 TOTAL	1,626,783	1,689,070	1,532,666	0.9951
4	STATE AGENCIES - GOV	724,677	747,074	713,941	0.9923
4	STATE AGENCIES - GOV	724,077	747,074	713,941	0.9923
10	TAX-EXEMPT NON-AMT MUNICIPAL BONDS	65,176	74,011	N/A	1.0015
12	CAWCD MEDIUM-TERM	377,689	402,395	408,364	1.0100
15	GADA LONG-TERM	16,447	15,202	16,795	0.9953
16	ECDH MEDIUM-TERM	442,563	491,684	401,319	0.9861
	TOTAL STATE AGENCIES	3,916,341	3,991,628	4,047,960	

#### STATE AGENCY POOLS PORTFOLIO YIELD ANALYSIS FEBRUARY 28, 2014

		Current Month	Prior Month	Prior Year
FUND	DESCRIPTION	02/28/14	01/31/14	2/28/13
2	STATE AGENCIES - FULL FAITH & CREDIT	0.86%	0.63%	1.02%
	75% MERRILL 0-1 US TREAS INDEX / 25%	0.85%	0.85%	0.63%
	MERRILL US GNMA MORTGAGE BACKED			
	INDEX			
_				
3	STATE AGENCIES - DIVERSIFIED		/	
	INTERNAL MANAGERS	0.79%	0.83%	0.83%
	EXTERNAL MANAGERS	0.63%	0.54%	0.64%
	COMBINED	0.79%	0.82%	0.82%
	50% 3 MONTH LIBOR INDEX / 50% MERRILL	0.42%	0.43%	0.51%
	1-3 US BROAD MARKET INDEX			
4	STATE AGENCIES - GOV	0.81%	0.76%	0.82%
	50% MERRILL 6 MTH US T-BILL INDEX / 50%	0.22%	0.21%	0.19%
	MERRILL 1-3 UNSUB. US TREAS / AGY INDEX			
10	TAX-EXEMPT NON-AMT MUNICIPAL BONDS	0.26%	0.29%	N/A
	SIFMA MUNICIPAL SWAP INDEX	0.03%	0.04%	N/A
12	CAWCD MEDIUM-TERM	1.70%	1.61%	2.08%
12	*BARCLAYS CAPITAL US AGG. BOND INDEX	2.28%	2.31%	2.00 <i>%</i> 1.84%
	BARCEATS CAPITAL 03 AGG. BOND INDEX	2.2070	2.5170	1.04 /8
15	GADA LONG-TERM	1.77%	1.48%	1.81%
	MERRILL 3-5 US BROAD MARKET EX CORP	1.60%	1.64%	1.44%
16	ECDH MEDIUM-TERM	1.58%	1.76%	1.59%
	*BARCLAYS CAPITAL US AGG. BOND INDEX	2.28%	2.31%	1.84%

\*This Benchmark is under review for a change. Pools 12 and 16 duration risk and investment policy is much more conservative than the current benchmark.

# Manager Allocation - Daily Arizona State Treasury (05509) As of February 28, 2014

Pool Composite (00550904)				
Account Name	Market Value(MIL)	Percent of Portfolio		
State of Arizona - Pool 10 (State Operating) (11741000)	301.33	5.2%		
State of Arizona - Pool 12 (CAWCD - Med Term) (10327500)	289.75	5.0%		
State of Arizona - Pool 15 (GADA) (10327600)	12.05	0.2%		
State of Arizona - Pool 16 (ECDH) (13074500)	330.81	5.7%		
State of Arizona - Pool 2 (State Agency - FF&C) (10327000)	1,073.97	18.5%		
State of Arizona - Pool 3 (State Agency - Diversified) (10327100)	2,515.77	43.4%		
State of Arizona - Pool 4 (State Agency Rest Div) (10327200)	1,175.10	20.3%		
State of Arizona Pool 3 (external US Banc) (17699900)	101.10	1.7%		
TOTAL	5,799.87	100.0%		



State of Arizona - Pool 2 (State Agency - FF&C)
State of Arizona - Pool 3 (State Agency - Divers
State of Arizona - Pool 4 (State Agency Rest Di
State of Arizona - Pool 10 (State Operating) (11
State of Arizona - Pool 15 (GADA) (10327600)
State of Arizona Pool 3 (external US Banc) (1769
State of Arizona - Pool 16 (ECDH) (13074500)
State of Arizona - Pool 12 (CAWCD - Med Term) (1

State of Arizona - Pool 2 (State Agency - FF&C) (10327000)

Portfolio Fact Sheet









Pool Composite(00550901)

Pool 3 combined February 2014







Sector Weightings (as % of Market Value)



#### State of Arizona - Pool 3 (State Agency - Diversified) (10327100)

Portfolio Fact Sheet February 2014









State of Arizona Pool 3 (external US Banc) (17699900)

42.8%

Portfolio Fact Sheet

February 2014







State of Arizona - Pool 4 (State Agency Rest Div) (10327200)

Portfolio Fact Sheet February 2014







State of Arizona - Pool 10 (State Operating) (11741000)

Portfolio Fact Sheet







State of Arizona - Pool 12 (CAWCD - Med Term) (10327500)

45.6%

Portfolio Fact Sheet February 2014

Duration Mix







State of Arizona - Pool 15 (GADA) (10327600)

Portfolio Fact Sheet February 2014







State of Arizona - Pool 16 (ECDH) (13074500)

Portfolio Fact Sheet February 2014







#### OPERATING MONIES AVERAGE INVESTED BALANCE

Through February 28, 2014 (in millions of dollars)

Month	Fiscal Year 2011/2012	Fiscal Year 2012/2013	Fiscal Year 2013/2014		
JULY	1,209	1,817	1,942		
AUGUST	818	1,475	1,709		
SEPTEMBER	744	1,420	1,974		
OCTOBER	668	1,205	1,824		
NOVEMBER	858	1,316	1,853		
DECEMBER	979	1,464	1,895		
JANUARY	1,511	1,885	2,234		
FEBRUARY	1,501	1,899	2,427		
MARCH	1,373	1,815			
APRIL	1,725	2,109			
MAY	2,036	2,428			
JUNE	2,331	2,679			
Y-T-D Average	\$1,313	\$1,793	\$1,982		
Budget Stabilization Average Fund Balance - February 2014 Total Average Cash Available - February 2014					

#### EARNINGS DISTRIBUTED ENDOWMENT FUNDS FEBRUARY 2014

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

Recipient		FEBRUARY 2014	Fiscal	Fiscal YTD 12/13
101	A & M Colleges	\$17,813	\$142,502	\$125,382
102	State Hospital	\$10,553	\$84,426	\$71,991
103	Leg., Exec., & Jud.	\$14,367	\$114,934	\$103,304
104	Military Institute	\$1,003	\$8,027	\$7,363
105	Miners Hospital	\$27,751	\$222,009	\$177,228
107	Normal School ASU/NAU	\$6,218	\$49,745	\$43,833
108	Penitentiaries	\$20,501	\$164,008	\$166,154
109	Permanent Common School	\$5,648,484	\$45,187,872	\$38,631,075
110	School for Deaf & Blind	\$8,889	\$71,111	\$63,378
111	School of Mines	\$20,138	\$161,102	\$143,330
112	State Charitable-Pioneers Home	\$98,076	\$784,612	\$666,094
112	State Charitable-Corrections	\$49,038	\$392,306	\$333,047
112	State Charitable-Youth Treatment	\$49,038	\$392,306	\$333,047
113	University Fund	\$33,169	\$265,356	\$232,633
114	U of A Land - 1881	\$81,012	\$648,099	\$526,108
	Total	\$6,086,052	\$48,688,416	\$41,623,969

Posted in USAS in current month

#### ENDOWMENT FUNDS PORTFOLIO YIELD ANALYSIS FEBRUARY 28, 2014

#### **NET EARNINGS**

FUND	DESCRIPTION	Current Month 02/28/14	Prior Month 01/31/14	Prior Year 2/28/13	
205	ENDOWMENTS - FIXED INCOME	\$3,139,990	\$3,079,263	\$3,723,501	

	YIELDS							
	MONTHLY	Current Month 02/28/14	Prior Month 01/31/14	Prior Year 2/28/13				
205	ENDOWMENTS - FIXED INCOME	2.07%	2.05%	2.89%				

Note: Yield calculation changed from share value to market value. Prior month and prior year shown was also adjusted for comparison purposes.

#### NET REALIZED CAPITAL GAINS / LOSSES - ENDOWMENT FUNDS

Endowment Fund	Feb-14 NET GAIN(LOSS)	Feb-13 NET GAIN(LOSS)	
Fixed Income Pool	(162,312)	98,171	
Equity Pool (500)	753,933	232,707	
Equity Pool (400)	670,489	3,781,307	
Equity Pool (600)	1,468,977	1,660,069	
Totals	2,731,087	5,772,254	

Endowment Fund		2013/2014 FISCAL YEAR TO DATE GAINS(LOSSES)	2012/ 2013 FISCAL YEAR TO DATE GAINS(LOSSES)	
Fixed Income Pool		(1,580,695)	1,256,197	
Equity Pool (500)		42,462,071	2,837,342	
Equity Pool (400)		48,629,519	11,509,694	
Equity Pool (600)		16,040,270	5,148,735	
	Totals	105,551,165	20,751,968	

ENDOWMENT FUNDS FIXED-INCOME POOL PURCHASES & SALES

Month of February 2014

State Treasurer's Report March 24, 2014 Page 25

#### I. Endowment Funds Purchases

Endowment Funds Purchases							
			*WAL	PAR	PURCHASE		MOODY'S /
SECURITY DESCRIPTION	RATE	MATURITY	YEARS	VALUE	COST	YIELD	S&P RATING
FHLMC MTG	3.00	8/15/2031	4.95	\$4,972,465	\$5,110,451	2.41%	Aaa/AA+
FHLMC MTG	3.00	12/15/2043	4.64	\$4,899,318	\$5,055,739	2.29%	Aaa/AA+
FNMA MTG	3.50	9/1/2033	6.03	\$5,764,713	\$5,958,791	2.85%	Aaa/AA+
FNMA MTG	4.00	1/1/2034	5.55	\$11,461,597	\$12,216,510	2.70%	Aaa/AA+
FNMA MTG	2.70	3/25/2043	10.22	\$3,651,802	\$3,387,594	3.55%	Aaa/AA+
FNMA MTG	4.00	2/25/2043	4.95	\$4,783,639	\$5,147,121	2.08%	Aaa/AA+
US TREAS	2.13	1/31/2021	N/A	\$5,000,000	\$4,992,393	2.17%	Aaa/AA+
US TREAS	2.38	12/31/2020	N/A	\$5,000,000	\$5,091,855	2.14%	Aaa/AA+
US TREAS	3.63	2/15/2020	N/A	\$5,000,000	\$5,512,074	1.82%	Aaa/AA+
US TREAS	1.50	3/31/2019	N/A	\$5,000,000	\$5,019,787	1.53%	Aaa/AA+
US TREAS	2.75	2/15/2019	N/A	\$5,000,000	\$5,296,821	1.52%	Aaa/AA+
AMERICAN INTL GROUP	4.88	9/15/2016	N/A	\$5,000,000	\$5,592,131	1.01%	Baa1/A-
GOOGLE	3.38	2/25/2024	N/A	\$5,000,000	\$4,999,150	3.38%	Aa2/AA
JP MORGAN MTG	3.14	6/16/2045	5.61	\$10,000,000	\$10,324,469	2.55%	Aaa/NR
MORGAN STANLEY	5.50	1/26/2020	N/A	\$3,100,000	\$3,517,966	3.04%	Baa2/A-
PEPSICO	3.60	3/1/2024	N/A	\$5,000,000	\$4,991,250	3.62%	A1/A-

TOTAL ENDOWMENT FUNDS PURCHASES	\$88,633,534	\$92,214,102

#### II. Endowment Funds Sales

		PAR	AMORTIZED	SALES	MOODY'S /
SECURITY DESCRIPTION	RATE MATURITY	VALUE	COST/PROCEEDS	GAINS/(LOSSES)	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 Month of February 2014 State Treasurer's Report March 24, 2014 Page 26

#### I. Equity Fund Purchases

	<u>SHARES</u>	PURCHASE COST	<u>COMMISSIONS</u>
S&P 400 Mid-Cap Fund	482,971	\$18,763,435	\$3,521
S&P 500 Large-Cap Fund	402,187	\$21,589,867	\$3,017
S&P 600 Small-Cap Fund	829,580	\$22,798,554	\$6,209
TOTAL EQUITY PURCHASES	1,714,738	\$63,151,856	\$12,748

### II. <u>Equity Funds Sales</u>

TOTAL EQUITY SALES	410,380	\$8,556,616	\$2,800
S&P 600 Small-Cap Fund	264,964	\$4,631,772	\$1,748
S&P 500 Large-Cap Fund	6,758	\$225,896	\$12
S&P 400 Mid-Cap Fund	138,659	\$3,698,948	\$1,040
	SHARES	SALES AMOUNT	<u>COMMISSIONS</u>

#### ENDOWMENT FUNDS INVESTMENTS OUTSTANDING FEBRUARY 28, 2014

(In Thousands)

State Treasurer's Report March 24, 2014 Page 27

FUND	NAME OF FUND	SHARES OUTSTANDING	BOOK VALUE	MARKET VALUE	UNREALIZED GAINS (LOSSES)	Mkt Value/ Book Value
101	A & M Colleges	490	2 291	7164	2 792	
	Shares in Equity Pools Shares in Fixed Income Pools	489 4,424	3,381 3,071	7,164 4,576	3,783 1,505	
	Total	4.012	6 452	11 740	<b>5</b> 200	1.819
	Total	4,913	6,452	11,740	5,288	1.019
102	State Hospital					
	Shares in Equity Pools	316	2,211	4,636	2,424	
	Shares in Fixed Income Pools	2,744	2,008	2,838	830	
	Total	3,060	4,219	7,474	3,254	1.771
103	Leg., Exec, & Jud					
	Shares in Equity Pools	397	2,963	5,813	2,850	
	Shares in Fixed Income Pools	3,815	2,662	3,946	1,285	
	Total	4,212	5,625	9,760	4,135	1.735
104	Military Institute					
	Shares in Equity Pools	26	190	383	193	
	Shares in Fixed Income Pools	257	171	266	95	
		284	361	649	288	1.797
105	Miners Hospital					
	Shares in Equity Pools	1,109	9,717	16,255	6,538	
	Shares in Fixed Income Pools	9,774	8,304	10,110	1,806	
	Total	10,884	18,020	26,365	8,344	1.463
107	Normal School ASU/NAU					
	Shares in Equity Pools	189	1,414	2,770	1,356	
	Shares in Fixed Income Pools	1,725	1,268	1,784	516	
	Total	1,914	2,682	4,554	1,872	1.698
108	Penitentiaries					
	Shares in Equity Pools	728	5,836	10,662	4,826	
	Shares in Fixed Income Pools	6,598	5,226	6,825	1,598	
	Total	7,326	11,062	17,486	6,424	1.581
#### ENDOWMENT FUNDS INVESTMENTS OUTSTANDING FEBRUARY 28, 2014

(In Thousands)

State Treasurer's Report March 24, 2014 Page 28

	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	182,682 1,633,621	1,428,190 1,290,367	1,689,657	1,248,536 399,289	
	Total	1,816,302	2,718,557	4,366,382	1,647,825	1.606
110	School for Deaf & Blind Shares in Equity Pools Shares in Fixed Income Pools	254 2,377	1,847 1,671	3,726 2,459	1,879 788	
	Total	2,631	3,518	6,185	2,667	1.758
111	School of Mines Shares in Equity Pools Shares in Fixed Income Pools Total	550 5,105  5,655	4,078 3,692 7,771	8,061 5,280  13,340	3,983 1,587 5,570	1.717
112	State Charitable Shares in Equity Pools Shares in Fixed Income Pools	5,560 48,931	41,634 38,044	81,472 50,609	39,839 12,565	
	Total	54,491	79,678	132,081	52,403	1.658
113	University Fund Shares in Equity Pools Shares in Fixed Income Pools Total	996 9,242 	7,806 6,874 	14,594 9,559  24,153	6,788 2,685  9,473	1.645
114	U Of A Land - 1881 Shares in Equity Pools Shares in Fixed Income Pools	3,394 31,141	30,867 25,855	49,725 32,210	18,858 6,355	
	Total	34,535	56,722	81,934	25,212	1.444
	TOTALS - ALL FUNDS Shares in Equity Pools Shares in Fixed Income Pools		1,389,213	1,820,117	1,341,851 430,904	
	Grand Total	1,956,445 ======	2,929,348 ======	4,702,103	1,772,755 ======	
	PRIOR YEAR: FEBRUARY 2013 BALANCES	1,737,037	2,771,873		1,238,691	

#### ENDOWMENT FUNDS INVESTMENTS OUTSTANDING FEBRUARY 28, 2014

State Treasurer's Report March 24, 2014 Page 29

### ASSET ALLOCATION PERCENTAGE

	SHARES	BOOK	MARKET	FEBRUARY 2013
	OUTSTANDING	VALUE	VALUE	MARKET VALUE
Shares in Equity Pools	10.05%	52.58%	61.29%	61.43%
Shares in Fixed Income Pools	89.95%	47.42%	38.71%	38.57%
Total	100.00%	100.00%	100.00%	100.00%

#### Performance Worksheet Arizona State Treasury (05509) As of February 2014 Primary - US Dollar

Total Endo	Total Endowment Fund Composite (00550902)												
ID	Name	Beginning Market Value	Ending Market Value	Cashflow	Current Month	Trailing Three Months	Year to Date	Fiscal Year To Date	Trailing One Year	Trailing Three Years	Trailing Five Years	Since Inception	Inception Date
10327800	S&P 500 Pool	1,596,958,375.81	1,679,027,437.08	9,759,312	4.53	3.49	0.92	17.40	25.32	14.31	22.97	3.41	07/01/1999
10327900	S&P 400 Pool	687,935,657.55	725,138,691.06	4,182,562	4.80	5.77	2.59	19.57	26.54	14.22	25.52	9.63	08/01/2001
10328000	Pool 205	1,802,939,104.23	1,820,117,254.50	11,153,499	0.33	0.88	1.38	1.90	(0.26)	3.05	4.18	5.41	07/01/1999
11558100	S&P 600 Pool	455,493,650.37	477,819,384.15	2,788,375	4.29	1.82	0.40	22.06	32.25	16.81		16.81	03/01/2011
00550902	Total Endowment Fund Composite	4,543,326,787.96	4,702,102,766.79	27,883,749	2.88	2.63	1.30	12.18	15.91	10.36	13.94	6.25	07/01/1999

# Manager Allocation - Daily Arizona State Treasury (05509) As of February 28, 2014

Total Endowment Fund Composite (00550902)						
Account Name	Market Value(MIL)	Percent of Portfolio				
Pool 205 (10328000)	1,820.12	38.7%				
S&P 400 Pool (10327900)	725.14	15.4%				
S&P 500 Pool (10327800)	1,679.03	35.7%				
S&P 600 Pool (11558100)	477.82	10.2%				
TOTAL	4,702.10	100.0%				





Portfolio Characteristics

#### S&P 500 Pool(10327800)

Portfolio Fact Sheet February 2014 Risk Measures

Since Inception 1.58 (0.37) 15.67 15.56 0.15 0.19 0.99 (0.62)

1 670 0	
1,679.0	
18.40	
3.48	
1.43	
14.56	
3.93	
74,049.37	
2.82	
502	

Tracking Error Information Ratio Std Deviation of Port. Std Deviation of Bench. Sharpe Ratio of Port. Sharpe Ratio of Bench. R-Squared Jensen's Alpha	Trailing 1 Year 0.06 (0.74) 10.09 10.11 2.30 2.30 1.00 0.00	Trailing 3 Years 0.05 (0.78) 12.46 12.49 1.13 1.13 1.00 (0.01)	<b>Trailing</b> <b>5 Years</b> 0.09 (0.34) 14.30 14.34 1.52 1.52 1.00 0.03
e en e e napria	0.00	(0.01)	0.00

Top Ten Portfolio Holdings

Security ID	Security Name	% of Assets
037833100	APPLE INC - COM NPV	2.82%
30231G102	EXXON MOBIL CORP - COM NPV	2.52%
38259P508	GOOGLE INC - CL A COM USD.001	2.03%
594918104	MICROSOFT CORP - COM USD.00000625	1.74%
478160104	JOHNSON & JOHNSON - COM USD1	1.56%
369604103	GENERAL ELECTRIC CO - COM USD.63	1.55%
949746101	WELLS FARGO & CO - COM USD1.67	1.33%
166764100	CHEVRON CORP - COM USD3	1.33%
742718109	PROCTER & GAMBLE CO - COM NPV	1.27%
46625H100	JPMORGAN CHASE & CO - COM USD12	1.27%

#### Top Ten Currency Weights



#### eturns Series



S&P 500 S&P 500 Pool

STATE OF ARIZONA POOL 201 (S&P 500) As of February 28, 2014



Portfolio Characteristics

#### S&P 400 Pool(10327900)

Portfolio Fact Sheet February 2014 Risk Measures

Total Asset Value (in Millions) P/E Ratio Price to Book Ratio Dividend Yield (%) Return on Equity (%) Sales Growth (%) Market Capitalization (\$ Millions) Earnings per Share (\$) Number of Holdings
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Tracking Error Information Ratio Std Deviation of Port. Std Deviation of Bench. Sharpe Ratio of Port. Sharpe Ratio of Bench. R-Squared Jensen's Alpha

11.21 15.34 16 11.22 15.37 17 2.16 0.94 1 2.17 0.93 1 1.00 1.00 0	1.46 1.9   0.86) (0.0   5.69 16.9   7.32 17.8   1.45 0.9   1.47 0.9   0.99 0.9   0.37) 0.4	95 <sup>°</sup> 81 53 52 99
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Top Ten Portfolio Holdings

Security Name	% of Assets
GREEN MTN COFFEE ROASTERS - COM USD.1	0.91%
ENDO HEALTH SOLUTIONS INC - COM USD.01	0.76%
SCHEIN (HENRY) INC - COM USD.01	0.65%
CIMAREX ENERGY CO - COM USD.01	0.64%
AFFILIATED MANAGERS GRP INC - COM USD.01	0.63%
TRIMBLE NAVIGATION LTD - COM NPV	0.62%
CHURCH & DWIGHT INC - COM NPV	0.60%
EQUINIX INC - COM USD.001	0.60%
SL GREEN REALTY CORP - COM USD.01	0.60%
ADVANCE AUTO PARTS INC - COM USD.0001	0.59%
	GREEN MTN COFFEE ROASTERS - COM USD.1 ENDO HEALTH SOLUTIONS INC - COM USD.01 SCHEIN (HENRY) INC - COM USD.01 CIMAREX ENERGY CO - COM USD.01 AFFILIATED MANAGERS GRP INC - COM USD.01 TRIMBLE NAVIGATION LTD - COM NPV CHURCH & DWIGHT INC - COM NPV EQUINIX INC - COM USD.001 SL GREEN REALTY CORP - COM USD.01

#### Top Ten Currency Weights



#### eturns Series



S&P 400 (Gross) S&P 400 Pool

STATE OF ARIZONA POOL 203 (S&P MIDCAP 400) As of February 28, 2014



ELF MICOF 40
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Portfolio Characteristics

#### S&P 600 Pool(11558100)

Trailing 5 Years

Portfolio Fact Sheet February 2014 Risk Measures

> Since Inception 0.15 (0.18) 15.82 15.88 1.06 1.06 1.00 0.04

Total Asset Value (in Millions)
P/E Ratio
Price to Book Ratio
Dividend Yield (%)
Return on Equity (%)
Sales Growth (%)
Market Capitalization (\$ Millions)
Earnings per Share (\$)
Market Capitalization (\$ Millions) Earnings per Share (\$) Number of Holdings

Tracking Error Information Ratio Std Deviation of Port.	ailing Year 0.23 (0.24) 11.74 11.85 2.46 2.44 1.00 0.25	Trailing 3 Years 0.15 (0.18) 15.82 15.88 1.06 1.06 1.00 0.04
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Top Ten Portfolio Holdings

Security ID	Security Name	% of Assets		
464287804	ISHARES TRUST CORE S&P SMALL-CAP ETF	4.95%		
30241L109	FEI CO - COM NPV	0.59%		
485865109	KATE SPADE & CO - COM USD1	0.58%		
891092108	TORO CO - COM USD1	0.52%		
879360105	TELEDYNE TECHNOLOGIES INC - COM USD.01	0.51%		
73179P106	POLYONE CORP - COM USD.1	0.50%		
15135B101	CENTENE CORP - COM USD.003	0.48%		
74835Y101	QUESTCOR PHARMACEUTICALS INC - COM NPV	0.47%		
29275Y102	ENERSYS INC - COM USD.01	0.46%		
04270V106	ARRIS GROUP INC - COM USD.01	0.45%		

#### Top Ten Currency Weights



#### Returns Series



S&P 600 (Gross) S&P 600 Pool

STATE OF ARIZONA POOL 204 (S&P 600 Index) As of February 28, 2014



Portfolio Characteristics

Pool 205 (10328000) Portfolio Fact Sheet

February 2014

Duration Mix











Thousands



Performance Growth by Account Arizona State Treasury (05509) From July 1999 to February 2014 Gross of Fee



### **Performance Growth by Account**

Arizona State Treasury (05509) From August 2001 to February 2014 Gross of Fee



### **Performance Growth by Account**

Arizona State Treasury (05509) From March 2011 to February 2014 Gross of Fee



### **Performance Growth by Account**

Arizona State Treasury (05509) From July 1999 to February 2014 Gross of Fee

