

**State Universities Retirement System
of Illinois (SURS)**

Investment Update



February 2018

Volume 28, Issue 8

	February <u>2018</u>	Quarter <u>Ended</u>	Fiscal <u>Y-T-D</u>	1 Year <u>Ended¹</u>	3 Years <u>Ended¹</u>	5 Years <u>Ended¹</u>	10 Years <u>Ended¹</u>
SURS TOTAL FUND	-2.6%	1.4%	7.8%	12.2%	6.5%	8.4%	6.4%
Market Goal / Policy Portfolio	-2.6%	1.4%	7.3%	11.6%	6.4%	8.4%	6.5%
Public Funds Index	-3.0%	1.6%	8.5%	12.5%	6.8%	8.6%	6.3%

Policy Portfolio Benchmark consists of 23% of U.S. Equities (Dow Jones U.S. Total Stock Market), 19% Non-U.S. Equities (MSCI ACWI ex-US), 8% Global Equities (MSCI ACWI), 6% Private Equity (Dow Jones U.S. Total Stock Market + 3%), 19% Fixed Income (Bloomberg Barclays U.S. Aggregate), 4% TIPS (Bloomberg Barclays U.S. TIPS), 3% Emerging Market Debt (Blended Benchmark), 6% Direct Real Estate (NCREIF ODCE Index), 4% REITs (Blended Benchmark), 2% Commodities (Bloomberg Commodity Index), 5% Hedge Funds (LIBOR + 5%) and 1% Opportunity Fund (Blended Benchmark).

Asset Allocation and Target %'s	Total Fund \$'s (millions)	Cash Overlay Adjustment	Adjusted Asset Alloc	Passive*	Structured Active	Active	Adjusted Asset Alloc %	Interim Policy %	Strategic Policy %
U.S. Equity	\$ 4,711	\$ (95)	\$ 4,617	12.3%	5.5%	6.2%	24.0%	23.0%	23.0%
Private Equity	991		991	0.0%	0.0%	5.1%	5.1%	6.0%	6.0%
Non-U.S. Equity	3,814	(162)	3,652	6.7%	6.0%	6.3%	18.9%	19.0%	19.0%
Global Equity	1,783	(200)	1,583	-1.0%	0.0%	9.3%	8.2%	8.0%	8.0%
Fixed Income	3,479	433	3,912	5.7%	0.0%	14.6%	20.3%	19.0%	19.0%
TIPS	682		682	3.5%	0.0%	0.0%	3.5%	4.0%	4.0%
Emerging Market Debt	606		606	0.0%	0.0%	3.1%	3.1%	3.0%	3.0%
Real Estate	1,807	(0)	1,807	3.6%	0.0%	5.8%	9.4%	10.0%	10.0%
Hedged Strategies	931		931	0.0%	0.0%	4.8%	4.8%	5.0%	5.0%
Commodities	366	23	389	0.1%	0.0%	1.9%	2.0%	2.0%	2.0%
Opportunity Fund	102		102	0.0%	0.0%	0.5%	0.5%	1.0%	1.0%
Total Fund	\$ 19,272	\$ (0)	\$ 19,272	30.9%	11.5%	57.6%	100.0%	100.0%	100.0%

*Implementation of the cash overlay program is reflected in Passive investments.

Total Fund Summary

SURS total fund returned -2.6% for February, equaling the Market Goal, and exceeding the Public Funds Index by 0.4%.

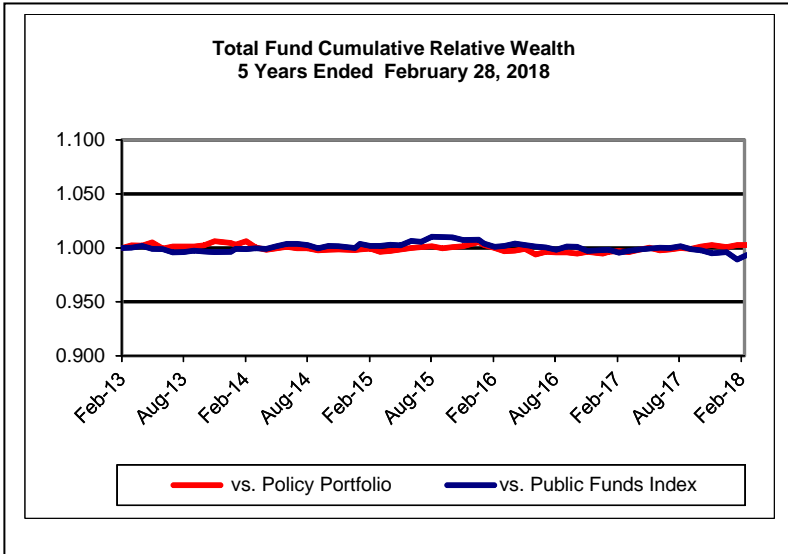
The benchmark-matching return relative to the Market Goal during February was due primarily to:

- Above benchmark performance in the Non-US Equity, Global Equity, Core Fixed Income, TIPS, REITs, and Commodities asset classes, which was partially offset by
- Below benchmark performance in the US Equity, Emerging Market Debt, Hedged Strategies, and Opportunity Fund asset classes. In addition, the portfolio was positively impacted by
- An above target allocation to Core Fixed Income, and Emerging Market Debt, two of the better absolute performing asset classes as measured against the Market Goal, and
- A below target allocation Non-US Equity, and REITs, two of the poorer absolute performing asset classes as measured against the Market Goal.

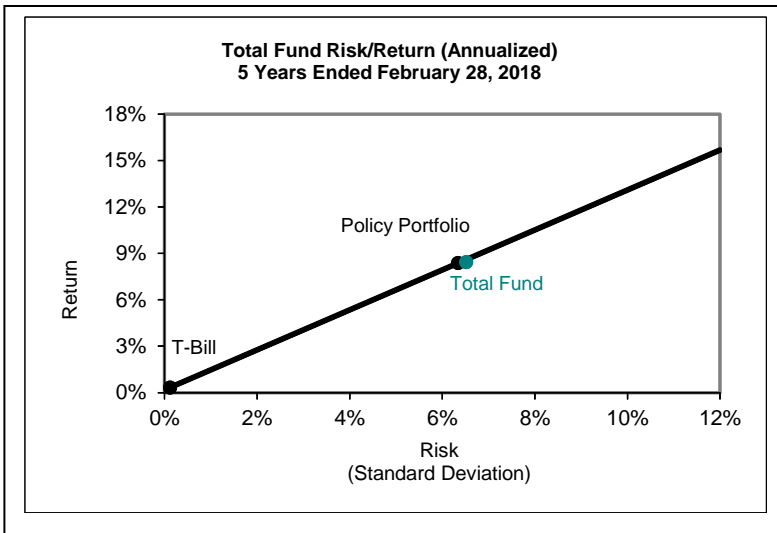
Investment Management Firms Utilized by SURS		
Emerging, Minority, Women and Disabled Ownership as of December 2017		
	Actual	Goal
As a % of Total Assets	23.8%	
As a % of Total Assets, per Public Act 96-0006	23.5%	20.0%
As a % of Total Actively-Managed Assets, per Public Act 96-0006	25.1%	25.0%

Longer-Term Results

The longer-term results, as indicated in the two graphs below, reflect how SURS compares on both an absolute and a risk-adjusted basis.



As the chart on the left indicates, SURS has performed in line with the Policy Portfolio for the past several years. The ending values indicate that over the past five years, SURS has outperformed the Policy Portfolio by approximately 0.3%. The chart also indicates that during the same time period, SURS portfolio has lagged the median Public Funds Index return by approximately 0.7%.



The chart to the left indicates that SURS total fund return has measured approximately the same level of volatility as the policy portfolio during the past five years. In addition, the chart also indicates that SURS has achieved approximately the same return with a similar level of volatility. This can be determined by the teal marker, indicating SURS total fund, being located on the line with the policy portfolio marker.

On a risk-adjusted basis, SURS has trailed its benchmark for the five-year period by 17 basis points on an annualized basis (8.43% versus required return of 8.60%).

SURS Total Fund Investment Performance			
As of February 2018			
	SURS Fund	CPI-U *	SURS Real Return
1 Year Ended	12.2%	2.2%	10.0%
5 Years Ended	8.4%	1.4%	7.0%
10 Years Ended	6.4%	1.6%	4.8%
20 Years Ended	6.7%	2.2%	4.5%
25 Years Ended	8.2%	2.2%	5.9%
30 Years Ended	8.6%	2.6%	6.0%
Since October 1981	10.0%	2.7%	7.2%

* CPI-U includes food and energy prices.

** SURS inflation assumption is 2.75%.

The returns and commentary for the twelve major asset portfolios follow.

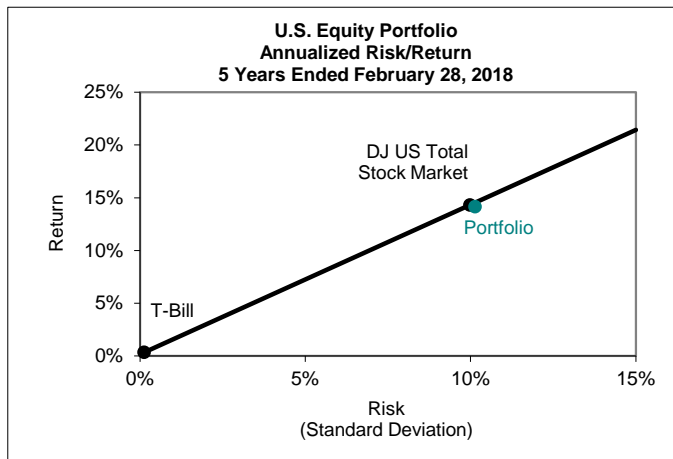
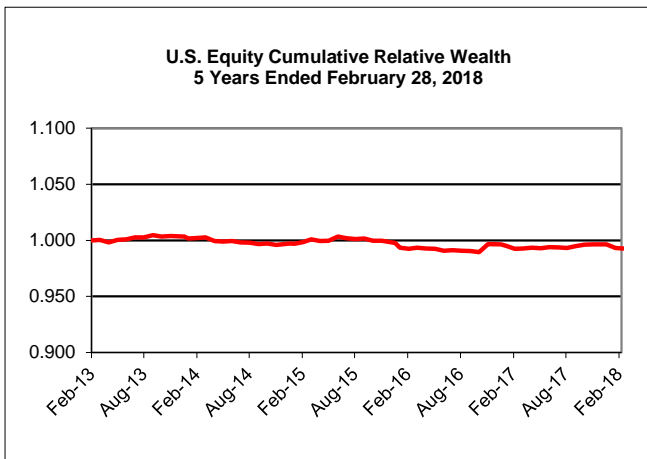
U.S. Equities

U.S. Equities experienced negative returns for the month of February. The broad market, as measured by the Dow Jones U.S. Total Stock Market (TSM) Index, posted a return of -3.7 for the month. During February, large cap outperformed small cap stocks, and growth stocks outperformed and value stocks. SURS portfolio equaled the benchmark for the month, returning -3.7%.

	February 2018	FYTD	1 YR	3 YR	5 YR	10 YR
SURS	-3.7%	12.6%	16.3%	10.3%	14.1%	9.7%
Performance Benchmark	-3.7%	12.7%	16.2%	10.6%	14.3%	9.8%
DJ U.S. Total Stock Market	-3.7%	12.7%	16.2%	10.6%	14.3%	9.8%
DJ U.S. Large Cap TSM	-3.7%	13.3%	17.0%	10.9%	14.6%	9.8%
DJ U.S. Lrg Cap Growth TSM	-2.6%	17.7%	24.1%	12.8%	17.0%	11.3%
DJ U.S. Lrg Cap Value TSM	-4.5%	9.7%	11.1%	10.0%	12.5%	8.1%
DJ U.S. Small Cap TSM	-4.2%	7.1%	8.6%	7.9%	12.3%	10.6%
DJ U.S. Sm Cap Growth TSM	-3.4%	11.6%	16.5%	8.4%	13.3%	11.2%
DJ U.S. Sm Cap Value TSM	-5.1%	2.6%	1.0%	7.1%	11.1%	10.0%
S&P 500	-3.7%	13.5%	17.1%	11.1%	14.7%	9.7%
Russell 3000	-3.7%	12.7%	16.2%	10.6%	14.4%	9.8%
Russell 2000	-3.9%	7.7%	10.5%	8.5%	12.2%	9.7%

Longer-Term Results

The five-year cumulative relative wealth chart, below (left) indicates that SURS U.S. Equity portfolio has trailed its benchmark return by approximately 0.7%. On a risk-adjusted basis, SURS U.S. Equity portfolio return trailed its benchmark by 38 basis points while incurring slightly greater risk than the benchmark. SURS portfolio has returned 14.15%, while the risk-adjusted benchmark return is 14.53%.



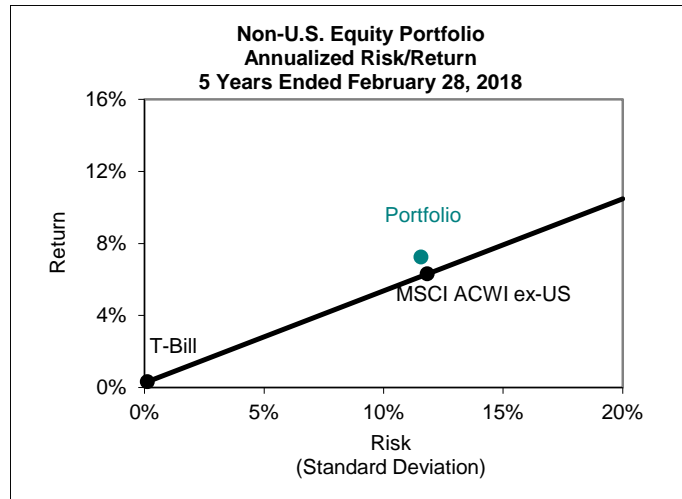
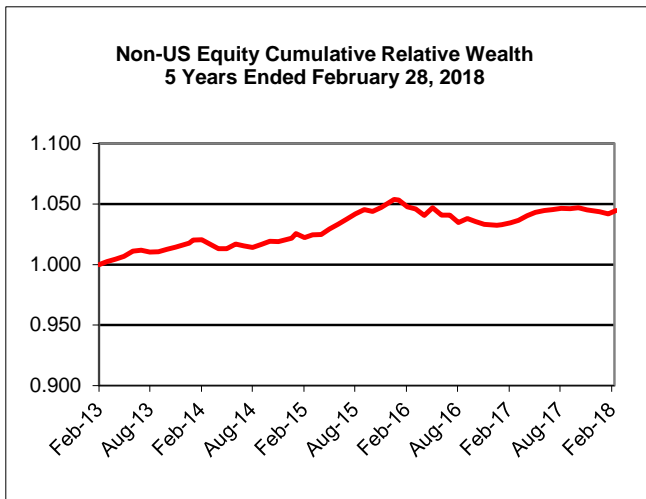
Non-U.S. Equities

Non-U.S. Equities posted negative returns for the month of February. The broad international markets, as represented by the MSCI All Country World Ex-US Index, returned -4.7%. SURS portfolio performance exceeded the benchmark for the period by 0.2%, returning -4.5%. Growth stocks outperformed value stocks for the month. Comparative performance of the emerging markets has been a detractor to relative performance for the five-year period.

	February 2018	FYTD	1 YR	3 YR	5 YR	10YR
SURS	-4.5%	12.1%	22.8%	7.0%	7.2%	3.0%
Performance Benchmark	-4.7%	12.1%	21.6%	6.2%	6.3%	2.7%
MSCI All Country World Ex-US	-4.7%	12.1%	21.6%	6.2%	6.3%	2.7%
MSCI All Country World Ex-US Growth	-4.5%	13.0%	25.0%	7.4%	7.3%	3.1%
MSCI All Country World Ex-US Value	-5.0%	11.2%	18.4%	5.0%	5.3%	2.1%
MSCI EAFE	-4.5%	10.2%	20.1%	5.7%	7.1%	2.8%
MSCI EAFE Growth	-4.3%	10.6%	22.2%	6.8%	7.7%	3.4%
MSCI EAFE Value	-4.8%	9.7%	18.2%	4.5%	6.3%	2.2%
MSCI EAFE Small Cap	-3.5%	15.7%	27.9%	12.7%	12.1%	6.9%
MSCI Emerging Markets	-4.6%	19.8%	30.5%	9.0%	5.0%	2.7%

Longer-Term Results

The five-year cumulative relative wealth chart, below (left) indicates that SURS Non-U.S. Equity portfolio has exceeded its benchmark return by approximately 4.5%. On a risk-adjusted basis, SURS Non-U.S. Equity portfolio has outpaced its benchmark by 107 basis points, generating a slightly higher return although with slightly less volatility than the benchmark. SURS portfolio has returned 7.24 %, while the risk-adjusted benchmark return is 6.17%.



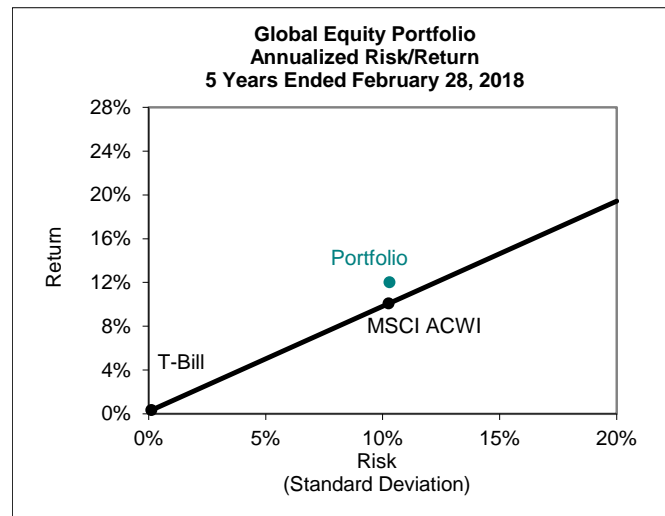
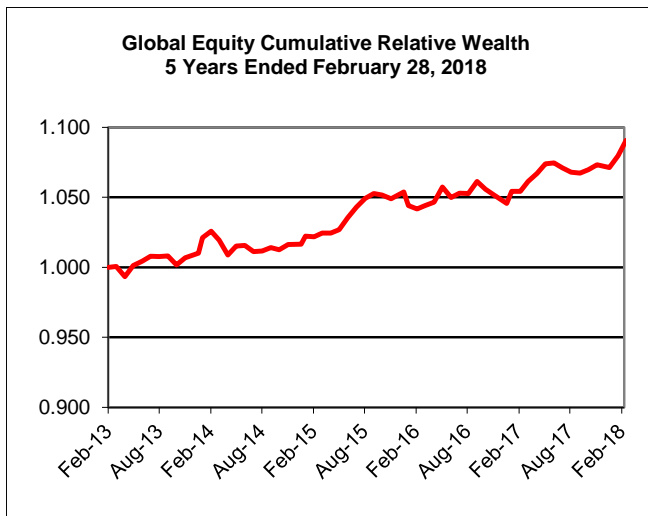
Global Equities

Global Equities posted negative returns for the month of February. The broad market as measured by the MSCI All Country World Index (ACWI) returned -4.2% during the month. SURS portfolio performance outperformed the benchmark return during February by 1.0%, returning -3.2%.

	February 2018	FYTD	1 YR	3 YR	5 YR	10 YR
SURS	-3.2%	14.2%	22.9%	10.7%	12.0%	6.6%
Performance Benchmark	-4.2%	12.5%	18.8%	8.3%	10.1%	5.9%
MSCI All Country World	-4.2%	12.5%	18.8%	8.3%	10.1%	5.6%
MSCI World	-4.1%	11.6%	17.4%	8.2%	10.7%	6.0%
Dow Jones U.S. Total Stock Mkt	-3.7%	12.7%	16.2%	10.6%	14.3%	9.8%
MSCI All Country World Ex-US	-4.7%	12.1%	21.6%	6.2%	6.3%	2.7%

Longer-Term Results

The five-year cumulative relative wealth chart, below (left) indicates that SURS Global Equities portfolio has outperformed its benchmark return by approximately 9.1%. The portfolio is generating slightly higher returns than, and with slightly more volatility than, the benchmark. On a risk-adjusted basis, the portfolio outpaced its benchmark by 189 basis points on an annualized basis of 12.00% versus a required return of 10.11%.



Private Equities

Private Equities posted positive returns for the quarter ended December. The returns from this asset class lag one quarter due to the time frame associated with data collection for both accounting and performance reporting purposes. The one-year return through December 31, 2017 was 18.4% as compared to its benchmark return of 21.7%.

	December 2017	FYTD	1 YR	3 YR	5 YR	10 YR
SURS	7.1%	7.1%	18.4%	9.4%	11.4%	7.4%
Performance Benchmark	5.3%	5.3%	21.7%	13.7%	17.2%	10.6%

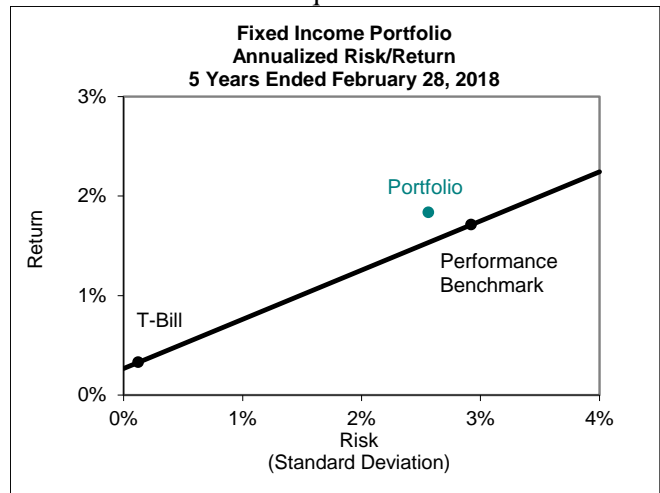
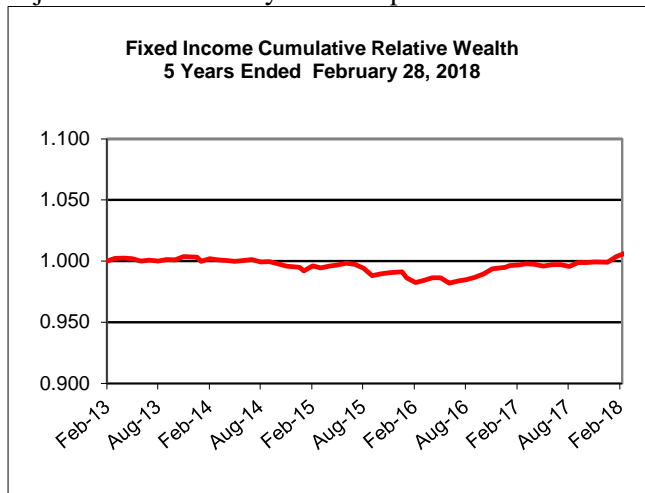
Fixed Income

The U.S. fixed income markets experienced negative returns for the month of February. The broad market, as measured by the Bloomberg Barclays U.S. Aggregate Index, posted a return of -0.9% for the month. SURS core/core plus/absolute return fixed income portfolio returned -0.7%, exceeding the benchmark return during February, by 0.2%. The Cash and Intermediate Term Corporate sectors experienced the strongest performance for the period.

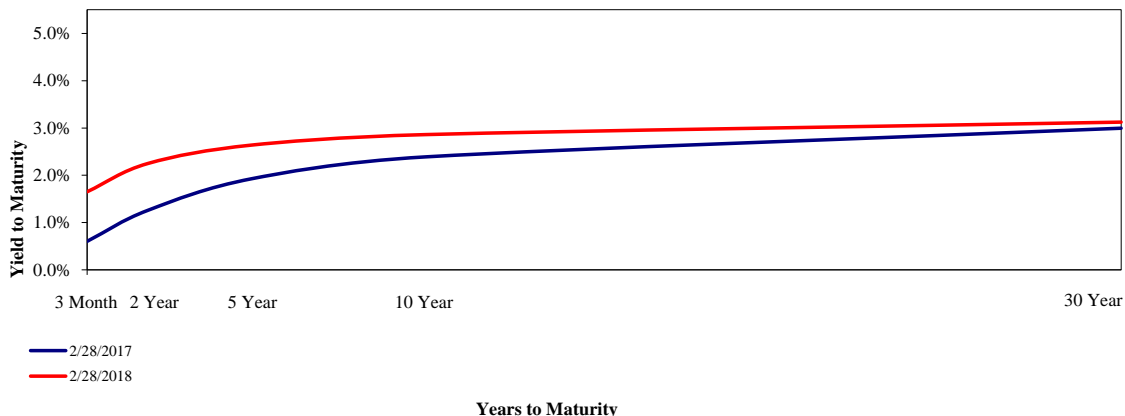
	February 2018	FYTD	1 YR	3 YR	5 YR	10 YR
SURS	-0.7%	0.0%	1.4%	1.5%	1.8%	4.2%
Performance Benchmark	-0.9%	-0.9%	0.5%	1.1%	1.7%	3.6%
Bloomberg Barclays U.S. Aggregate	-0.9%	-0.9%	0.5%	1.1%	1.7%	3.6%
Bloomberg Barclays Universal	-0.9%	-0.5%	1.0%	1.7%	2.1%	4.0%
Long Term Government	-3.2%	-0.3%	4.6%	-1.0%	3.5%	5.9%
Intermediate Government	-0.3%	-1.3%	-0.6%	0.5%	0.7%	2.2%
Long Term Corporate	-3.4%	0.4%	4.6%	3.1%	4.6%	7.5%
Intermediate Corporate	-0.8%	-0.4%	1.1%	2.0%	2.3%	4.4%
Mortgage Backed	-0.7%	-0.7%	0.2%	1.0%	1.7%	3.5%
90-day Treasury Bills	0.1%	0.8%	1.1%	0.5%	0.3%	0.3%
3-month LIBOR	0.1%	0.8%	1.2%	0.7%	0.5%	0.7%

Longer-Term Results

The five-year cumulative relative wealth chart, below (left) indicates that SURS fixed income portfolio has exceeded its benchmark return by approximately 0.6%. On a risk-adjusted basis, the portfolio is producing a slightly higher return with slightly less volatility than the benchmark. The portfolio has outpaced its risk-adjusted benchmark by 30 basis points on an annualized basis of 1.83% versus a required return of 1.53%.



US Treasury Yield Curve



2/28/2017	0.60%	1.26%	1.93%	2.39%	3.00%
2/28/2018	1.65%	2.25%	2.64%	2.86%	3.12%

Treasury Inflation-Protected Securities (TIPS)

The TIPS markets experienced negative results during February, returning -1.0% for the month. SURS portfolio performance exceeded the benchmark for the period, returning -0.9%. SURS implemented a passive TIPS strategy in May 2017 to replace the active TIPS strategy in the investment portfolio.

	February 2018	FYTD	1 YR	3 YR	5 YR	10 YR
SURS	-0.9%	0.3%	-0.1%	0.7%	-0.2%	3.2%
Custom Benchmark	-1.0%	0.3%	-0.2%	0.8%	-0.1%	2.8%
Bloomberg Barclays U.S. TIPS Index	-1.0%	0.3%	-0.2%	0.8%	-0.1%	2.8%
Bloomberg Barclays 1-10 year TIPS Index	-0.5%	0.0%	-0.3%	0.8%	-0.1%	2.2%
90-day Treasury Bills	0.1%	0.8%	1.1%	0.5%	0.3%	0.3%

Emerging Market Debt (EMD)

The emerging market debt markets experienced negative results during February, returning -1.3% for the month. SURS portfolio performance lagged the benchmark for the period by 0.5%, returning -1.8%. For the month, corporate and local-currency outperformed dollar-denominated securities.

	February 2018	FYTD	1 YR	3 YR	5 YR	10 YR
SURS	-1.8%	5.8%	10.7%	5.2%	5.2%	5.2%
Custom Benchmark	-1.3%	4.9%	9.3%	5.5%	5.5%	5.5%
JPM CEMBI Broad	-1.0%	2.0%	4.1%	5.5%	5.5%	5.5%
JPM EMBI Global Diversf	-2.0%	1.7%	4.4%	5.8%	5.8%	5.8%
JPM GBI-EM Global Diversf	-1.0%	7.9%	14.4%	5.2%	5.2%	5.2%

Real Estate

Real Estate Investment Trust Securities (REITs)

The global REIT markets experienced negative returns in February, returning -6.7%. SURS total REIT portfolio exceeded the index by 0.1% with a return of -6.6% for the month.

	February 2018	FYTD	1 YR	3 YR	5 YR	10 YR
SURS	-6.6%	-1.3%	0.2%	1.7%	5.7%	5.7%
Custom Benchmark	-6.7%	-1.8%	-0.7%	1.6%	5.4%	5.3%
FTSE EPRA /NAREIT Developed Index	-6.7%	-1.8%	-0.7%	0.6%	4.1%	3.2%
FTSE EPRA /NAREIT Developed Ex-U.S	-6.0%	7.6%	12.8%	2.8%	4.0%	2.2%

Direct Real Estate

SURS began funding its direct real estate portfolio in June 2005 and reports performance one quarter in arrears. The one-year return through December 31, 2017 was 7.1% as compared to its benchmark return of 6.6%.

	December 2017	FYTD	1 YR	3 YR	5 YR	10 YR
SURS	1.8%	1.8%	7.1%	10.1%	10.7%	5.9%
SURS Core Real Estate	1.5%	1.5%	5.6%	9.0%	9.2%	5.1%
SURS Non-Core Real Estate	2.5%	2.5%	11.5%	13.5%	15.2%	8.7%
NCREIF ODCE Index	1.5%	1.5%	6.6%	9.8%	10.5%	4.1%
Consumer Price Index	-0.1%	0.6%	2.1%	1.6%	1.4%	1.9%

Hedged Strategies

Hedged strategies became a component of SURS portfolio in March 2016. The asset class experienced positive results during February, returning 0.5% for the month. SURS portfolio performance lagged the benchmark for the period by 1.8%, returning -1.5%.

	February 2018	FYTD	1 YR	3 YR	5 YR	Since Inception
SURS	-1.5%	3.4%	5.1%	4.2%	4.2%	4.2%
Custom Benchmark	0.5%	4.2%	6.2%	6.0%	6.0%	6.0%
HFRI Fund of Funds Composite	-1.3%	5.4%	6.7%	6.5%	6.5%	6.5%
HFRI Fund Weighted Composite	-1.7%	5.5%	7.0%	7.9%	7.9%	7.9%

Commodities

SURS began investing in commodities in May 2016. Commodities experienced negative results during February, returning -1.7% for the month. SURS portfolio performance outpaced the benchmark for the period by 1.0%, returning -0.7%.

	February 2018	FYTD	1 YR	3 YR	5 YR	Since Inception
SURS	-0.7%	10.9%	3.6%	5.8%	5.8%	5.8%
Custom Benchmark	-1.7%	7.6%	1.6%	2.7%	2.7%	2.7%

Commodities

Standard & Poor's Goldman Sachs Commodity Index (blue line) and Bloomberg Commodity Index (red line)



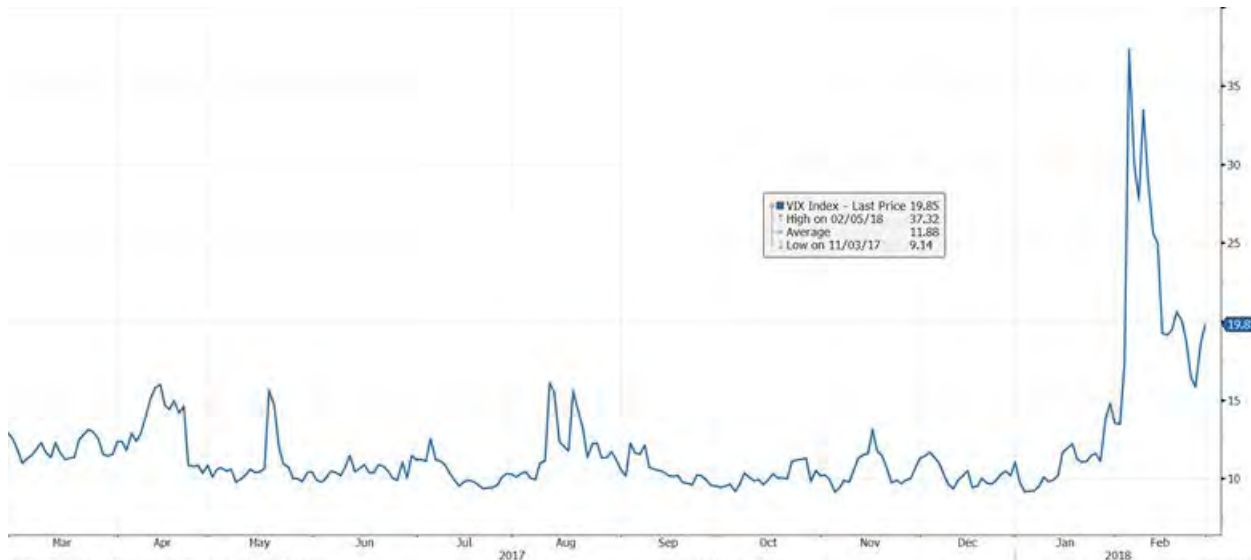
Source: Bloomberg. Calculations are as of the last monthly trading day. All data is as of February 28, 2018.

Opportunity Fund

The Opportunity Fund currently is comprised of an infrastructure portfolio that reports performance one quarter in arrears. The one-year return through December 31, 2017 was 2.2% versus its benchmark return of 7.5%.

	December 2017	FYTD	1 YR	3 YR	5 YR	10 YR
SURS	0.0%	3.8%	2.2%	5.1%	7.2%	9.7%
Custom Benchmark	0.9%	3.8%	7.5%	6.4%	6.7%	3.4%

CBOE S&P 500 Volatility Index

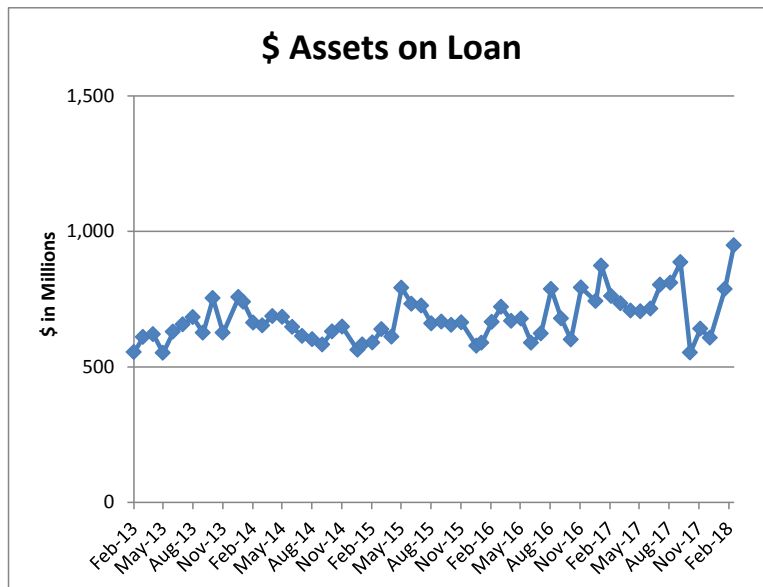


Source: Bloomberg. Calculations are as of the last monthly trading day. All data is as of February 28, 2018.

Securities Lending

At its April 2012 meeting, SURS Board of Trustees approved a risk-averse securities lending strategy that was implemented in July 2012 with third-party services provider Deutsche Bank. Program statistics for the month of February and the 2018 fiscal year are as listed, below:

Securities Lending Income as of February 28, 2018	
Total for the Month	\$367,437
Fiscal Year to Date	\$2,618,948
Fiscal Year to Date Monthly Average	\$327,369



**Schedule of Self-Managed Plan Investment Allocation
as of February 28, 2018**

	<u>U.S. Equity</u>	<u>Non-U.S. Equity</u>	<u>Fixed Income</u>	<u>Balanced</u>	<u>Real Estate</u>	<u>Total</u>
Fidelity Investment Options						
Actively Managed						
Fidelity Managed Income Portfolio Class 2			46,972,851			46,972,851
PIMCO Total Return Institutional			42,780,976			42,780,976
Fidelity Puritan Class K				217,479,963		217,479,963
Ariel Fund Institutional	38,371,366					38,371,366
American Beacon Large Cap Value Inst.	13,441,554					13,441,554
Wells Fargo Small Company Growth R6	19,968,036					19,968,036
Fidelity Growth Company Commingled Pool	142,416,482					142,416,482
Fidelity Contrafund Commingled Pool	123,702,724					123,702,724
Fidelity Low-Priced Stock Class K	50,139,783					50,139,783
Fidelity Diversified International Class K		51,765,596				51,765,596
Fidelity Real Estate Investment					16,884,785	16,884,785
Passively Managed						
Fidelity U.S. Bond Index Institutional			38,562,681			38,562,681
Fidelity Freedom Index Funds - Inst Premium ⁽¹⁾				296,344,821		296,344,821
Fidelity Extended Market Index Premium	48,294,000					48,294,000
Fidelity 500 Index Institutional	235,458,966					235,458,966
Fidelity Global ex-U.S. Index Institutional		33,272,321				33,272,321
Fidelity Total	671,792,910	85,037,916	128,316,507	513,824,784	16,884,785	1,415,856,903 61.1%
TIAA-CREF Investment Options						
Actively Managed						
CREF Money Market Account R3			6,890,694			6,890,694
Vanguard Federal Money Market Fund - Investor ⁽⁵⁾			14,446,542			14,446,542
TIAA Traditional Annuity			118,468,375			118,468,375
CREF Bond Market Account R3			51,270,758			51,270,758
CREF Inflation-Linked Bond Account R3			25,506,770			25,506,770
CREF Social Choice Account R3				55,532,201		55,532,201
CREF Growth Account R3 ⁽³⁾	622,053					622,053
CREF Stock Account R3	186,794,473					186,794,473
CREF Global Equities Account R3		66,155,716				66,155,716
Dimensional Target Date Ret Inc Fund - Inst ^{(2) (5)}				1,929,609		1,929,609
TIAA Real Estate Account					19,208,802	19,208,802
Passively Managed						
CREF Equity Index Account R3	93,362,776					93,362,776
TIAA-CREF Large-Cap Growth Index - Institutional	132,834,164					132,834,164
TIAA-CREF Lifecycle Index Funds - Institutional Class				129,970,535		129,970,535
TIAA-CREF Total	413,613,466	66,155,716	216,583,139	187,432,345	19,208,802	902,993,469 38.9%
GRAND TOTALS	<u>\$1,085,406,376</u>	<u>\$151,193,633</u>	<u>\$344,899,646</u>	<u>\$701,257,129</u>	<u>\$36,093,588</u>	<u>\$2,318,850,371</u>
	46.8%	6.5%	14.9%	30.2%	1.6%	100.0%
SMP Forfeiture Reserve ⁽⁴⁾						17,099,456
SMP Disability Reserve ⁽⁴⁾						99,175,638
Total SMP Investments						<u>2,435,125,465</u>

- As of February 28, 2018, the Fidelity Freedom Index Fund (lifecycle) series is the default fund for members who have selected the Self-Managed Plan but have not yet selected investment provider(s), or who have selected Fidelity but have not selected individual mutual funds/variable annuities/commingled
- As of February 28, 2018, the Dimensional Target Date Retirement Income series is the default fund for members who have selected TIAA but have not yet selected individual mutual funds/variable annuities/commingled pools.
- CREF Growth Account is no longer an approved option for the Self-Managed Plan. Assets remaining in the Account were invested prior to termination of this option.
- These assets are commingled with the SURS defined benefit plan investments and accrue interest equal to the overall annual rate of return of the fund, net of fees. The reserve totals are preliminary and unaudited.
- Effective August 31, 2017, the fund became an SMP approved investment option.

SURS Private Equity Program Returns
Investment Values for Month Ended February 28, 2018
Investment Performance for Quarter Ended December 31, 2017 ⁽¹⁾

Manager	Incep	Benchmark	Assets (\$mil)	Quarter Mgr	Quarter Bmark	FYTD Mgr	FYTD Bmark	1 YR Mgr	1 YR Bmark	3 YR Mgr	3 YR Bmark	5 YR ⁽²⁾ Mgr	5 YR ⁽²⁾ Bmark	10 YR ⁽²⁾ Mgr	10 YR ⁽²⁾ Bmark	Incep ⁽²⁾ Mgr	Incep ⁽²⁾ Bmark
Adams Street Venture Partnerships (SEP)	Jan-91	DJ US Ttl Stk Mkt + 3%	52	5.98%	5.32%	5.98%	5.32%	30.01%	21.67%	6.42%	13.69%	11.04%	17.15%	5.48%	10.64%	28.17%	13.39%
Adams Street 2017 Global Fund (FOF)	Aug-17	DJ US Ttl Stk Mkt + 3%	4	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF
Adams Street 2016 Global Fund (FOF)	Dec-16	DJ US Ttl Stk Mkt + 3%	30	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF
Adams Street 2015 Global Fund (FOF)	Jun-15	DJ US Ttl Stk Mkt + 3%	47	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF
Adams Street 2014 Global Fund (FOF)	May-14	DJ US Ttl Stk Mkt + 3%	67	4.97%	5.32%	4.97%	5.32%	13.80%	21.67%	10.42%	13.69%	10.19%	13.81%	10.19%	13.81%	10.19%	13.81%
Adams Street 2013 Global Fund (FOF)	Mar-13	DJ US Ttl Stk Mkt + 3%	77	12.85%	5.32%	12.85%	5.32%	15.16%	21.67%	9.44%	13.69%	9.21%	16.83%	9.21%	16.83%	9.21%	16.83%
Adams Street 2012 Global Fund (FOF)	Apr-12	DJ US Ttl Stk Mkt + 3%	64	4.59%	5.32%	4.59%	5.32%	15.03%	21.67%	9.74%	13.69%	9.71%	17.15%	9.51%	16.37%	9.51%	16.37%
Adams Street 2009 Global Offering (FOF)	Jan-09	DJ US Ttl Stk Mkt + 3%	81	4.30%	5.32%	4.30%	5.32%	13.71%	21.67%	12.16%	13.69%	13.38%	17.15%	12.74%	18.16%	12.74%	18.16%
Adams Street 2008 Global Offering (FOF)	Jan-08	DJ US Ttl Stk Mkt + 3%	73	4.53%	5.32%	4.53%	5.32%	13.33%	21.67%	14.41%	13.69%	16.10%	17.15%	13.70%	11.21%	13.70%	11.21%
Adams Street Global Opportunities Secondary Fund - 2004 (FOF)	Mar-04	DJ US Ttl Stk Mkt + 3%	4	7.03%	5.32%	7.03%	5.32%	20.09%	21.67%	21.34%	13.69%	8.55%	17.15%	8.01%	10.64%	11.37%	11.54%
Adams Street 2007 Global Opportunities Portfolio (FOF)	Jun-07	DJ US Ttl Stk Mkt + 3%	37	3.30%	5.32%	3.30%	5.32%	11.25%	21.67%	5.30%	13.69%	9.81%	17.15%	8.54%	10.64%	8.36%	10.37%
Adams Street Global Secondary Fund 5 - 2012 (FOF)	Oct-12	DJ US Ttl Stk Mkt + 3%	13	4.80%	5.32%	4.80%	5.32%	14.46%	21.67%	5.76%	13.69%	6.32%	17.15%	6.32%	17.15%	6.32%	17.15%
Adams Street 2004 Non-U.S. Fund (FOF)	Jul-98	DJ US Ttl Stk Mkt + 3%	9	2.14%	5.32%	2.14%	5.32%	7.46%	21.67%	3.82%	13.69%	5.27%	17.15%	1.48%	10.64%	11.72%	9.64%
Total Adams Street Partners	Jan-91		556														
Lincoln Fund I (FOF)	Apr-14	DJ US Ttl Stk Mkt + 3%	39	2.60%	5.32%	2.60%	5.32%	11.24%	21.67%	7.39%	13.69%	5.91%	13.56%	5.91%	13.56%	5.91%	13.56%
Total Fairview Capital Partners	Apr-14		39														
Mesirow Financial Private Equity Fund VII-B	Jan-18	DJ US Ttl Stk Mkt + 3%	5	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF
Total Mesirow Private Equity	Jan-18		5														
Emerging Private Equity Fund of 1	Jan-17	DJ US Ttl Stk Mkt + 3%	19	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF
M ² Private Equity Fund of Funds (FOF)	Mar-08	DJ US Ttl Stk Mkt + 3%	7	3.75%	5.32%	3.75%	5.32%	9.62%	21.67%	11.06%	13.69%	9.22%	17.15%	9.07%	12.42%	9.07%	12.42%
Total Muller and Monroe	Dec-04		26														
Pantheon Ventures, Inc. (SEP)	Mar-02	DJ US Ttl Stk Mkt + 3%	98	7.49%	5.32%	7.49%	5.32%	11.23%	21.67%	5.26%	13.69%	10.88%	17.15%	7.73%	10.64%	10.61%	11.17%
Pantheon Europe Fund III - 2003 (FOF)	Jan-03	DJ US Ttl Stk Mkt + 3%	9	13.19%	5.32%	13.19%	5.32%	54.36%	21.67%	6.72%	13.69%	11.01%	17.15%	5.38%	10.64%	14.79%	13.14%
Pantheon Europe Fund VI - 2008 (FOF)	Sep-08	DJ US Ttl Stk Mkt + 3%	22	12.65%	5.32%	12.65%	5.32%	59.98%	21.67%	16.21%	13.69%	14.32%	17.15%	10.57%	13.15%	10.57%	13.15%
Pantheon Europe Fund VII - 2013 (FOF)	Jan-13	DJ US Ttl Stk Mkt + 3%	29	14.27%	5.32%	14.27%	5.32%	62.29%	21.67%	18.33%	13.69%	14.86%	17.91%	14.86%	17.91%	14.86%	17.91%
Pantheon Global Secondary Fund II - 2004 (FOF)	Mar-04	DJ US Ttl Stk Mkt + 3%	3	5.26%	5.32%	5.26%	5.32%	-1.98%	21.67%	0.68%	13.69%	0.47%	17.15%	-2.60%	10.64%	4.07%	11.54%
Pantheon Multi-Strategy Program 2014 (US), L.P.	Feb-15	DJ US Ttl Stk Mkt + 3%	45	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF
Pantheon Access (US) 2017	Nov-17	DJ US Ttl Stk Mkt + 3%	9	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF
Pantheon USA Fund VIII - 2008 (FOF)	Jan-08	DJ US Ttl Stk Mkt + 3%	77	11.17%	5.32%	11.17%	5.32%	22.30%	21.67%	12.46%	13.69%	14.56%	17.15%	12.10%	11.21%	12.10%	11.21%
Pantheon USA Fund IX - 2013 (FOF)	Jan-13	DJ US Ttl Stk Mkt + 3%	73	8.16%	5.32%	8.16%	5.32%	17.14%	21.67%	11.84%	13.69%	12.16%	17.91%	12.16%	17.91%	12.16%	17.91%
Total Pantheon Ventures, Inc.	Mar-02		365														
Total Private Equities	Jan-91	DJ US Ttl Stk Mkt + 3%	991	7.08%	5.32%	7.08%	5.32%	18.41%	21.67%	9.37%	13.69%	11.43%	17.15%	7.38%	10.64%	20.48%	13.39%

(1) reports quarterly in arrears
(2) or since inception, whichever is less
(FOF) fund of funds

**Progress Investment Manager of Managers Program
Investment Performance for Month Ended February 28, 2018**

Manager	Incep (1)	Benchmark	Assets (\$mil)	% Fund	Month Mgr	Month Bmark	FYTD Mgr	FYTD Bmark	1 YR (2) Mgr	1 YR (2) Bmark	3 YR (2) Mgr	3 YR (2) Bmark	5 YR (2) Mgr	5 YR (2) Bmark	Incep (2) Mgr	Incep (2) Bmark
PROGRESS TOTAL FUND	May-08		504	100.0%	-2.7%		5.7%		11.5%		3.7%		7.2%		5.9%	
Non-U.S. Equity																
Affinity Investment Advisors	Jun-15	MSCI EAFE	35	6.9%	-4.4%	-4.5%	13.2%	10.2%	24.9%	20.1%	7.6%	6.7%	7.6%	6.7%	7.6%	6.7%
Arga Investment Management	Sep-16	MSCI EAFE	45	8.8%	-5.0%	-4.5%	9.5%	10.2%	20.0%	20.1%	17.4%	16.7%	17.4%	16.7%	17.4%	16.7%
Brown Capital Management	May-08	MSCI EAFE	35	7.0%	-5.1%	-4.5%	6.8%	10.2%	17.8%	20.1%	6.0%	5.7%	9.3%	7.1%	5.3%	2.4%
Denali	Apr-17	MSCI EAFE	27	5.3%	-4.1%	-4.5%	10.9%	10.2%	16.3%	14.0%	16.3%	14.0%	16.3%	14.0%	16.3%	14.0%
Solstein Capital	Oct-17	MSCI EAFE	22	4.4%	-5.3%	-4.5%	4.4%	3.0%	4.4%	3.0%	4.4%	3.0%	4.4%	3.0%	4.4%	3.0%
Strategic Global Advisors	May-08	MSCI EAFE	66	13.0%	-4.0%	-4.5%	12.6%	10.2%	24.6%	20.1%	8.8%	5.7%	10.9%	7.1%	6.1%	2.4%
TOTAL NON-U.S. EQUITY	May-08	MSCI EAFE	229	45.4%	-4.6%	-4.5%	11.1%	10.2%	21.8%	20.1%	6.8%	5.7%	7.6%	7.1%	3.8%	2.4%
Core Fixed Income																
GIA Partners	Jul-14	Bloomberg Barclays U.S. Aggr	37	7.4%	-0.8%	-0.9%	-0.3%	-0.9%	1.4%	0.5%	2.2%	1.1%	2.5%	1.9%	2.5%	1.9%
Integrity Fixed Income	Oct-17	Bloomberg Barclays U.S. Aggr	20	3.9%	-0.8%	-0.9%	-1.5%	-1.8%	-1.5%	-1.8%	-1.5%	-1.8%	-1.5%	-1.8%	-1.5%	-1.8%
New Century Advisors	May-08	Bloomberg Barclays U.S. Aggr	43	8.6%	-0.9%	-0.9%	-0.4%	-0.9%	1.3%	0.5%	0.9%	1.1%	1.7%	1.7%	4.0%	3.6%
Piedmont Investment Advisors	May-08	Bloomberg Barclays U.S. Aggr	20	4.0%	-0.7%	-0.9%	-0.3%	-0.9%	1.0%	0.5%	1.4%	1.1%	1.8%	1.7%	3.8%	3.6%
Ramirez Asset Management	May-13	Bloomberg Barclays U.S. Aggr	25	5.0%	-0.9%	-0.9%	0.3%	-0.9%	1.8%	0.5%	1.9%	1.1%	2.4%	2.0%	2.4%	2.0%
TOTAL Core Fixed Income	May-08	Bloomberg Barclays U.S. Aggr	146	28.9%	-0.8%	-0.9%	-0.4%	-0.9%	1.1%	0.5%	1.5%	1.1%	1.9%	1.7%	4.1%	3.6%
Emerging Market Debt																
GIA Partners	Apr-15	JPM CEMBI Broad	77	15.3%	-1.2%	-1.0%	3.9%	2.0%	6.4%	4.1%	5.9%	5.0%	5.9%	5.0%	5.9%	5.0%
LM Capital Group	Apr-15	JPM CEMBI Broad	53	10.4%	-1.2%	-1.0%	2.4%	2.0%	5.5%	4.1%	4.7%	5.0%	4.7%	5.0%	4.7%	5.0%
TOTAL Emerging Market Debt	Apr-15	JPM CEMBI Broad	130	25.7%	-1.2%	-1.0%	3.1%	2.0%	5.9%	4.1%	5.2%	5.0%	5.2%	5.0%	5.2%	5.0%

(1) inception date of account or (2) since inception, whichever is less

SURS Manager Diversity Program Returns
Investment Performance for Month Ended February 28, 2018

Manager	Incep	Benchmark	Assets (\$mil)	Month Mgr	Month Bmark	Quarter Mgr	Quarter Bmark	FYTD Mgr	FYTD Bmark	1 YR Mgr	1YR Bmark	3 YR Mgr	3 YR Bmark	5 YR Mgr	5 YR Bmark	Incep Mgr	Incep Bmark
TOTAL MDP	Jan-05	Policy Portfolio	3,395	-3.1%	-3.3%	1.3%	1.2%	8.8%	8.0%	13.2%	12.3%	6.7%	6.2%	7.7%	7.6%	6.5%	6.3%
U.S. Equity: Active																	
Matarin Capital	Jan-18	Russell 2000	95	-4.1%	-3.9%	-4.1%	-3.9%	-4.1%	-3.9%	-4.1%	-3.9%	-4.1%	-3.9%	-4.1%	-3.9%	-4.1%	-3.9%
Channing SMID Value	Jan-18	Russell 2500 Value	94	-5.0%	-4.9%	-5.0%	-4.9%	-5.0%	-4.9%	-5.0%	-4.9%	-5.0%	-4.9%	-5.0%	-4.9%	-5.0%	-4.9%
Channing Midcap Value	Apr-05	Russell Midcap Value	97	-4.1%	-4.9%	-1.2%	-1.5%	5.5%	4.8%	6.0%	5.5%	6.1%	7.1%	11.6%	12.0%	8.4%	9.1%
EARNEST Partners	Jun-11	Russell Midcap	156	-3.6%	-4.1%	1.7%	0.4%	12.6%	9.2%	17.2%	12.0%	12.2%	8.0%	14.6%	13.0%	13.2%	12.0%
Denali Advisors	Dec-17	Russell 1000 Value	49	-5.4%	-4.8%	-1.3%	-1.1%	-1.3%	-1.1%	-1.3%	-1.1%	-1.3%	-1.1%	-1.3%	-1.1%	-1.3%	-1.1%
Gladius	Dec-16	Russell 3000	426	-3.6%	-3.7%	2.6%	2.4%	12.6%	12.7%	16.0%	16.2%	18.3%	19.3%	18.3%	19.3%	18.3%	19.3%
Piedmont Investment Advisors	Jul-14	S&P 500	641	-3.5%	-3.7%	3.0%	3.0%	16.6%	13.5%	20.8%	17.1%	12.2%	11.1%	13.0%	11.6%	13.0%	11.6%
Composite, Active U.S. Equity	Apr-05	Blended	1,559	-3.8%	-3.9%	1.8%	1.8%	12.9%	11.5%	16.4%	14.6%	10.1%	9.7%	13.7%	13.3%	9.7%	9.3%
TOTAL U.S. Equity	Jan-05	Blended	1,559	-3.8%	-3.9%	1.8%	1.8%	12.9%	11.5%	16.4%	14.6%	10.1%	9.7%	13.7%	13.3%	9.0%	9.0%
Non-U.S. Equity																	
Ativo Capital Management	Jul-08	MSCI ACWI Ex-U.S.	292	-4.5%	-4.7%	1.9%	2.8%	9.4%	12.1%	19.2%	21.6%	5.7%	6.2%	6.5%	6.3%	4.6%	3.5%
GlobeFlex Capital	Jul-14	MSCI ACWI Ex-U.S.	343	-4.2%	-4.7%	3.7%	2.8%	15.5%	12.1%	26.9%	21.6%	9.6%	6.2%	6.5%	3.9%	6.5%	3.9%
Strategic Global Advisors	Aug-08	MSCI EAFE	344	-4.2%	-4.5%	1.6%	1.9%	9.2%	10.2%	20.4%	20.1%	6.9%	5.7%	9.8%	7.1%	7.3%	4.1%
TOTAL Non-U.S. Equity	Aug-06	Blended	979	-4.3%	-4.6%	2.4%	2.5%	11.4%	11.4%	22.2%	21.1%	7.0%	6.1%	7.7%	6.9%	4.8%	3.5%
Private Equity																	
Fairview Lincoln Fund I	Apr-14	DJ U.S. Total Stk Mkt + 3% (1)	39	2.6%	5.3%	2.6%	5.3%	2.6%	5.3%	11.2%	21.7%	7.4%	13.7%	5.9%	13.6%	5.9%	13.6%
Muller and Monroe Emerg PEF	Jan-17	DJ U.S. Total Stk Mkt + 3% (1)	19	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF
Muller and Monroe MPEFF	Mar-08	DJ U.S. Total Stk Mkt + 3% (1)	7	3.8%	5.3%	3.8%	5.3%	3.8%	5.3%	9.6%	21.7%	11.1%	13.7%	9.2%	17.2%	9.1%	12.4%
TOTAL Private Equity	Dec-04	DJ U.S. Total Stk Mkt + 3% (1)	65	1.7%	5.3%	1.7%	5.3%	1.7%	5.3%	2.4%	21.7%	4.1%	13.7%	4.7%	17.2%	3.9%	11.7%
Fixed Income: Core																	
Garcia Hamilton	Feb-09	Bloomberg Barclays U.S. Aggregate	312	-0.6%	-0.9%	-0.8%	-1.6%	0.0%	-0.9%	1.1%	0.5%	1.6%	1.1%	2.6%	1.7%	5.4%	3.8%
LM Capital Group	Dec-10	Bloomberg Barclays U.S. Aggregate	163	-1.0%	-0.9%	-1.2%	-1.6%	-0.4%	-0.9%	1.2%	0.5%	1.7%	1.1%	2.0%	1.7%	3.3%	2.8%
Pugh Capital Management	Apr-06	Bloomberg Barclays U.S. Aggregate	162	-1.0%	-0.9%	-1.5%	-1.6%	-0.6%	-0.9%	0.9%	0.5%	1.3%	1.1%	1.8%	1.7%	4.7%	4.2%
Smith Graham & Company	Apr-06	Bloomberg Barclays U.S. Aggregate	104	-1.1%	-0.9%	-1.5%	-1.6%	-0.5%	-0.9%	0.9%	0.5%	1.4%	1.1%	2.0%	1.7%	4.3%	4.2%
Composite, Core Fixed Inc	Apr-06	Bloomberg Barclays U.S. Aggregate	740	-0.9%	-0.9%	-1.1%	-1.6%	-0.3%	-0.9%	1.1%	0.5%	1.5%	1.1%	2.0%	1.7%	4.5%	4.2%
TOTAL Fixed Income	Apr-06	Blended	740	-0.9%	-0.9%	-1.1%	-1.6%	-0.3%	-0.9%	0.4%	0.2%	1.1%	1.0%	1.1%	0.9%	4.3%	4.1%
Real Estate																	
Franklin Templeton EMREFF	Aug-11	NCREIF ODCE Index + 1.5% (1)	28	1.8%	1.9%	1.8%	1.9%	1.8%	1.9%	6.5%	8.1%	16.3%	11.3%	18.6%	12.0%	14.8%	12.3%
Franklin Templeton MDP RE 2015	Sep-15	NCREIF ODCE Index + 1.5% (1)	18	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF
Basis Real Estate Fund I	Jan-18	NCREIF ODCE Index + 1.5% (1)	7	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF
TOTAL Real Estate	Aug-11	NCREIF ODCE Index + 1.5% (1)	53	1.8%	1.9%	1.8%	1.9%	1.8%	1.9%	6.5%	8.1%	16.3%	11.3%	18.6%	12.0%	14.8%	12.3%

Custom Benchmark Composition

MDP Policy Portfolio	35% Russell 2500 Index, 23% S&P 500, 7% MSCI EAFE and 35% Barclays Capital Aggregate through January 2008; value weighted as of February 2008
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(1) reports quarterly in arrears

Asset Class	\$'s (millions)	Actual %
U.S. Equity	\$ 1,559	45.9%
Private Equity	65	1.9%
Non-U.S. Equity	979	28.8%
Global Equity	-	0.0%
Fixed Income	740	21.8%
TIPS	-	0.0%
Real Estate	53	1.6%
Total Fund	\$ 3,395	100.0%

February-18	Incep (1)	Benchmark	\$ millions	% Fund	2/2018 Mgr	2/2018 Bmark	FYTD Mgr	FYTD Bmark	1 YR (2) Mgr	1 YR (2) Bmark	3 YR (2) Mgr	3 YR (2) Bmark	5 YR (2) Mgr	5 YR (2) Bmark	10 YR (2) Mgr	10 YR (2) Bmark
U.S. Equities																
CastleArk Management	Sep-12	Russell 2000 Growth	96	0.5%	-2.67%	-2.85%	12.12%	12.13%	19.76%	18.44%	6.56%	8.93%	13.03%	13.72%	14.47%	14.63%
Matarin Capital	Jan-18	Russell 2000	95	0.5%	-4.06%	-3.87%	-4.06%	-3.87%	-4.06%	-3.87%	-4.06%	-3.87%	-4.06%	-3.87%	-4.06%	-3.87%
Mesirow Financial Investment Mgmt	May-11	Russell 2000	179	0.9%	-5.28%	-3.87%	5.09%	7.71%	7.53%	10.51%	7.32%	8.55%	10.83%	12.19%	9.33%	10.47%
Channing SMID Value	Jan-18	Russell 2500 Value	94	0.5%	-5.04%	-4.91%	-5.04%	-4.91%	-5.04%	-4.91%	-5.04%	-4.91%	-5.04%	-4.91%	-5.04%	-4.91%
EARNEST Partners	Jun-11	Russell Midcap	156	0.8%	-3.59%	-4.13%	12.64%	9.18%	17.16%	11.95%	12.20%	8.01%	14.64%	13.01%	13.23%	12.04%
Channing Midcap Value	Apr-07	Russell Midcap Value	97	0.5%	-4.13%	-4.93%	5.50%	4.81%	6.02%	5.47%	6.06%	7.07%	11.64%	12.03%	9.35%	9.67%
Denali Advisors	Dec-15	Russell 1000 Value	49	0.3%	-5.39%	-4.78%	-1.34%	-1.09%	-1.34%	-1.09%	-1.34%	-1.09%	-1.34%	-1.09%	-1.34%	-1.09%
Gladius	Dec-16	Russell 3000	426	2.2%	-3.57%	-3.69%	12.60%	12.74%	16.01%	16.22%	18.33%	19.26%	18.33%	19.26%	18.33%	19.26%
<i>Active U.S. Equities</i>	Oct-81	Blended	1,192	6.2%	-4.04%	-2.65%	9.62%	5.23%	13.20%	7.15%	7.88%	6.50%	11.99%	11.85%	8.26%	8.89%
Piedmont Investment Advisors	Jan-08	S&P 500	641	3.3%	-3.51%	-3.69%	16.60%	13.46%	20.79%	17.10%	12.21%	11.14%	16.24%	14.73%	10.17%	9.73%
T. Rowe Price	Mar-08	S&P 500	410	2.1%	-3.48%	-3.69%	14.15%	13.46%	19.42%	17.10%	12.14%	11.14%	15.29%	14.73%	10.40%	9.86%
<i>Structured Active U.S. *</i>	Oct-87	Blended	1,051	5.5%	-3.50%	-3.69%	15.57%	13.46%	20.22%	17.10%	11.90%	10.90%	15.61%	14.57%	10.56%	9.75%
Northern Trust Asset Management	Feb-99	Dow Jones U.S. Total Stock Market	1,587	8.2%	-3.71%	-3.70%	12.74%	12.75%	16.17%	16.23%	10.60%	10.55%	14.31%	14.32%	9.88%	9.83%
RhumbLine Advisers	Feb-05	Custom / Wilshire 5000	881	4.6%	-3.68%	-3.69%	12.83%	12.79%	16.09%	16.17%	10.86%	10.85%	14.46%	14.49%	9.88%	9.81%
<i>Passive U.S. Equities</i>	Jul-86	Blended	2,468	12.8%	-3.70%	-3.70%	12.78%	12.76%	16.14%	16.21%	10.71%	10.67%	14.37%	14.38%	9.87%	9.82%
Total U.S. Equities	Oct-81	Dow Jones U.S. Total Stock Market	4,711	24.4%	-3.74%	-3.70%	12.60%	12.75%	16.26%	16.23%	10.34%	10.55%	14.15%	14.32%	9.72%	9.83%
Non-U.S. Equities																
Ativo Capital Management	Jul-08	MSCI ACWI Ex-US	292	1.5%	-4.50%	-4.72%	9.43%	12.14%	19.16%	21.63%	5.71%	6.24%	6.52%	6.31%	4.56%	3.52%
GlobeFlex Capital	Dec-11	MSCI ACWI Ex-US	343	1.8%	-4.21%	-4.72%	15.52%	12.14%	26.86%	21.63%	9.57%	6.24%	9.88%	6.31%	11.35%	7.97%
Progress Investment	May-08	MSCI EAFE	229	1.2%	-4.55%	-4.51%	11.10%	10.17%	21.76%	20.13%	6.76%	5.65%	7.64%	7.06%	3.81%	2.42%
Strategic Global Advisers	Aug-08	MSCI EAFE	344	1.8%	-4.20%	-4.51%	9.21%	10.17%	20.39%	20.13%	6.88%	5.65%	9.77%	7.06%	7.27%	4.14%
<i>Active Non U.S. Equities</i>	Jul-92	Blended	1,207	6.3%	-4.34%	-4.62%	11.35%	11.19%	22.11%	20.91%	6.92%	5.69%	7.45%	6.49%	3.06%	2.82%
BTC International Alpha Tilts	Nov-03	MSCI EAFE	553	2.9%	-4.02%	-4.51%	11.43%	10.17%	24.39%	20.13%	7.73%	5.65%	9.64%	7.06%	4.14%	2.82%
Fidelity Institutional Asset Mgmt	Dec-11	MSCI ACWI Ex-US	608	3.2%	-4.71%	-4.72%	11.30%	12.14%	21.92%	21.63%	6.18%	6.24%	6.78%	6.31%	8.49%	7.97%
<i>Structured Active Non U.S. *</i>	Nov-03	Blended	1,161	6.0%	-4.38%	-4.62%	11.36%	11.20%	23.08%	20.91%	6.92%	5.96%	8.12%	6.65%	3.23%	2.51%
BTC Emerging Markets	Oct-09	MSCI Emerging Markets	263	1.4%	-4.62%	-4.61%	19.63%	19.79%	30.32%	30.51%	8.77%	8.97%	4.83%	5.02%	5.50%	5.72%
BTC International	Jul-86	MSCI ACWI Ex-US	1,183	6.1%	-4.61%	-4.72%	12.22%	12.14%	22.03%	21.63%	6.83%	6.24%	6.82%	6.31%	3.11%	2.65%
<i>Passive Non U.S. Equities</i>	Jul-86	Blended / MSCI ACWI Ex-US	1,446	7.5%	-4.61%	-4.70%	13.43%	13.38%	23.38%	23.06%	7.09%	6.68%	6.64%	6.28%	3.02%	2.69%
Total Non U.S. Equities	Jul-86	MSCI ACWI Ex-US	3,814	19.8%	-4.46%	-4.72%	12.14%	12.14%	22.83%	21.63%	7.01%	6.24%	7.24%	6.31%	2.97%	2.65%
Global Equities																
Mondrian Investment Partners	Dec-11	MSCI ACWI	561	2.9%	-4.11%	-4.20%	10.81%	12.55%	16.70%	18.79%	8.50%	8.34%	9.23%	10.07%	10.06%	11.36%
T. Rowe Price Global Focused Growth	Oct-08	MSCI ACWI	644	3.3%	-1.67%	-4.20%	18.95%	12.55%	31.94%	18.79%	15.23%	8.34%	17.23%	10.07%	14.73%	11.10%
Wellington Management	Jun-02	Custom / MSCI ACWI	578	3.0%	-4.07%	-4.20%	12.63%	12.55%	19.92%	18.79%	9.29%	8.34%	12.23%	10.07%	6.80%	5.97%
Total Global Equities	Jan-04	Blended / MSCI ACWI	1,783	9.3%	-3.23%	-4.20%	14.23%	12.55%	22.89%	18.79%	10.72%	8.34%	12.00%	10.07%	6.59%	5.90%
* Structured Active strategies, also known as Enhanced Index strategies, attempt to add modest amounts of excess return over time within a risk controlled framework.																

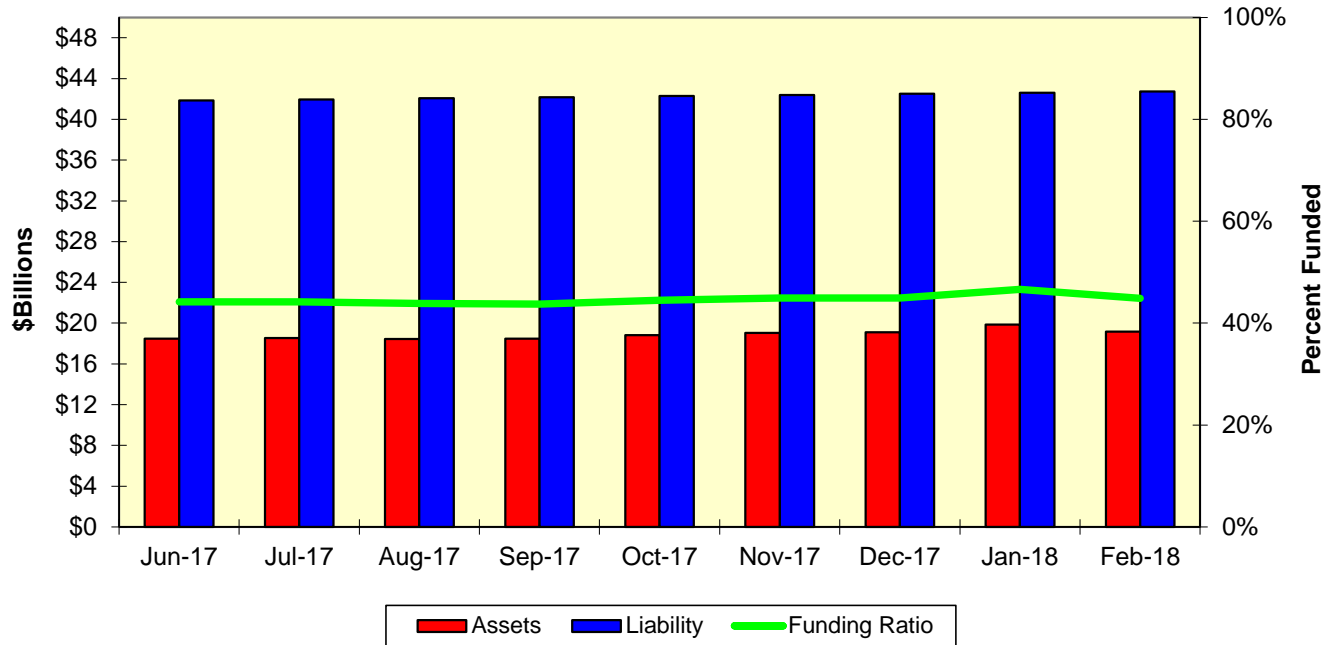
February-18	Incep (1)	Benchmark	\$ millions	% Fund	2/2018 Mgr	2/2018 Bmark	FYTD Mgr	FYTD Bmark	1 YR (2) Mgr	1 YR (2) Bmark	3 YR (2) Mgr	3 YR (2) Bmark	5 YR (2) Mgr	5 YR (2) Bmark	10 YR (2) Mgr	10 YR (2) Bmark
Private Equities																
Adams Street Partners	Jan-91	DJ U.S. Total Stock Market + 3% (3)	556	2.9%	5.77%	5.32%	5.77%	5.32%	17.24%	21.67%	9.93%	13.69%	11.57%	17.15%	7.03%	10.64%
Fairview Capital Partners	Apr-14	DJ U.S. Total Stock Market + 3% (3)	39	0.2%	2.60%	5.32%	2.60%	5.32%	11.24%	21.67%	7.39%	13.69%	5.91%	13.56%	5.91%	13.56%
Mesirow Private Equity	Jan-18	DJ U.S. Total Stock Market + 3% (3)	5	0.0%	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF
Muller and Monroe	Dec-04	DJ U.S. Total Stock Market + 3% (3)	26	0.1%	-0.10%	5.32%	-0.10%	5.32%	-11.38%	21.67%	1.14%	13.69%	4.13%	17.15%	3.98%	10.64%
Pantheon Ventures, Inc.	Mar-02	DJ U.S. Total Stock Market + 3% (3)	365	1.9%	9.73%	5.32%	9.73%	5.32%	22.02%	21.67%	9.20%	13.69%	11.79%	17.15%	7.91%	10.64%
Total Private Equities	Jan-91	DJ U.S. Total Stock Market + 3% (3)	991	5.1%	7.08%	5.32%	7.08%	5.32%	18.41%	21.67%	9.37%	13.69%	11.43%	17.15%	7.38%	10.64%
TOTAL EQUITIES																
TOTAL EQUITIES	Oct-81	Blended	11,299	58.6%	-3.59%	-3.71%	12.33%	12.05%	19.39%	18.81%	9.25%	9.31%	11.42%	11.75%	7.18%	7.63%
Fixed Income																
Cash Flow	Oct-81	90-day T-bills	160	0.8%	0.12%	0.13%	0.90%	0.82%	1.24%	1.10%	0.69%	0.52%	0.46%	0.33%	0.51%	0.32%
<i>Core Fixed Income Managers</i>																
Garcia Hamilton & Associates	Feb-09	Bloomberg Barclays U.S. Aggregate	312	1.6%	-0.64%	-0.95%	0.03%	-0.87%	1.12%	0.51%	1.59%	1.14%	2.62%	1.71%	5.41%	3.77%
Progress Investment	May-08	Bloomberg Barclays U.S. Aggregate	146	0.8%	-0.81%	-0.95%	-0.45%	-0.87%	1.09%	0.51%	1.48%	1.14%	1.94%	1.71%	4.14%	3.65%
Pugh Capital Management	Apr-06	Bloomberg Barclays U.S. Aggregate	162	0.8%	-1.00%	-0.95%	-0.60%	-0.87%	0.89%	0.51%	1.26%	1.14%	1.80%	1.71%	4.15%	3.60%
Smith Graham & Company	Apr-06	Bloomberg Barclays U.S. Aggregate	104	0.5%	-1.11%	-0.95%	-0.53%	-0.87%	0.88%	0.51%	1.38%	1.14%	1.95%	1.71%	3.82%	3.60%
<i>Core Plus Fixed Income Managers</i>																
LM Capital Group	Dec-10	Bloomberg Barclays U.S. Aggregate	163	0.8%	-1.05%	-0.95%	-0.41%	-0.87%	1.23%	0.51%	1.68%	1.14%	1.96%	1.71%	3.29%	2.82%
Neuberger Berman	Dec-10	Bloomberg Barclays U.S. Aggregate	346	1.8%	-0.93%	-0.95%	-0.02%	-0.87%	1.52%	0.51%	2.07%	1.14%	2.41%	1.71%	3.69%	2.82%
PIMCO Total Return	Oct-81	Bloomberg Barclays U.S. Aggregate	392	2.0%	-0.91%	-0.95%	-0.03%	-0.87%	1.31%	0.51%	1.36%	1.14%	1.89%	1.71%	4.62%	3.60%
TCW MetWest	Nov-01	Bloomberg Barclays U.S. Aggregate	540	2.8%	-0.81%	-0.95%	-0.57%	-0.87%	0.87%	0.51%	1.39%	1.14%	2.02%	1.71%	5.31%	3.60%
<i>Active Fixed Income</i>																
State Street Global Advisors	Sep-10	Bloomberg Barclays U.S. Aggregate	604	3.1%	-0.95%	-0.95%	-0.87%	-0.87%	0.51%	0.51%	1.15%	1.14%	1.71%	1.71%	2.56%	2.55%
<i>Passive Fixed Income</i>																
PIMCO Unconstrained	May-13	LIBOR + 3%	483	2.5%	-0.02%	0.36%	2.41%	2.85%	4.14%	4.19%	2.84%	3.74%	2.16%	3.55%	2.16%	3.55%
<i>Absolute Return Fixed Income</i>																
Total Core Fixed Income	Oct-81	Bloomberg Barclays U.S. Aggregate	3,411	17.7%	-0.71%	-0.95%	0.02%	-0.87%	1.44%	0.51%	1.48%	1.14%	1.83%	1.71%	4.19%	3.60%
TIPS																
RhumbLine TIPS	May-17	Bloomberg Barclays U.S. TIPS	682	3.5%	-0.95%	-0.97%	0.30%	0.28%	-0.65%	-0.67%	-0.65%	-0.67%	-0.65%	-0.67%	-0.65%	-0.67%
Total TIPS	Jul-04	Bloomberg Barclays U.S. TIPS (4)	682	3.5%	-0.95%	-0.97%	0.28%	0.28%	-0.07%	-0.18%	0.69%	0.79%	-0.23%	-0.11%	3.18%	2.81%
Emerging Market Debt																
Colchester Local Markets Debt Fund	Apr-15	JPM GBI-EM Global Diversif unhedged	149	0.8%	-0.82%	-1.04%	8.05%	7.93%	15.26%	14.43%	4.71%	4.32%	4.71%	4.32%	4.71%	4.32%
Progress Investment	Apr-15	JPM Corp Em Mkts Bond Index-Broad	130	0.7%	-1.24%	-0.95%	3.05%	2.04%	5.90%	4.08%	5.24%	4.98%	5.24%	4.98%	5.24%	4.98%
Prudential Emerging Mkts Debt Blend	Jun-15	Custom	327	1.7%	-1.17%	-1.52%	6.48%	4.83%	11.42%	9.35%	8.21%	6.41%	8.21%	6.41%	8.21%	6.41%
Total Emerging Market Debt	Mar-15	Custom	606	3.1%	-1.78%	-1.26%	5.83%	4.91%	10.66%	9.27%	5.21%	5.55%	5.21%	5.55%	5.21%	5.55%
TOTAL FIXED INCOME																
TOTAL FIXED INCOME	Oct-81	Custom	4,698	24.4%	-0.88%	-0.87%	0.77%	0.37%	2.31%	1.82%	1.78%	1.86%	1.75%	1.88%	4.17%	3.62%

February-18	Incep (1)	Benchmark	\$ millions	% Fund	2/2018 Mgr	2/2018 Bmark	FYTD Mgr	FYTD Bmark	1 YR (2) Mgr	1 YR (2) Bmark	3 YR (2) Mgr	3 YR (2) Bmark	5 YR (2) Mgr	5 YR (2) Bmark	10 YR (2) Mgr	10 YR (2) Bmark
Real Estate																
<i>Core Direct Real Estate Managers</i>																
Heitman America Real Estate Trust	Jul-14	NCREIF ODCE Index (3)	206	1.1%	1.80%	1.50%	1.80%	1.50%	6.68%	6.58%	10.29%	9.80%	10.41%	10.01%	10.41%	10.01%
JPMCB Strategic Property Fund	Jun-14	NCREIF ODCE Index (3)	211	1.1%	1.50%	1.50%	1.50%	1.50%	6.65%	6.58%	9.64%	9.80%	9.80%	10.62%	9.80%	10.62%
UBS Trumbull Property Fund	Jun-06	NCREIF ODCE Index (3)	388	2.0%	1.29%	1.50%	1.29%	1.50%	4.52%	6.58%	8.03%	9.80%	8.58%	10.54%	5.99%	4.09%
<i>Non-Core Direct Real Estate Managers</i>																
Blue Vista Real Estate Partners IV	Apr-16	NCREIF ODCE Index + 1.5% (3)	22	0.1%	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF
Brookfield Strategic RE Partners II	Feb-16	NCREIF ODCE Index + 1.5% (3)	24	0.1%	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF
Crow Holdings Realty Partners VII	Jan-16	NCREIF ODCE Index + 1.5% (3)	29	0.1%	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF
Dune Real Estate Parallel Fund II	Apr-09	NCREIF ODCE Index + 1.5% (3)	23	0.1%	0.10%	1.87%	0.10%	1.87%	5.49%	8.08%	12.47%	11.30%	17.23%	12.04%	16.78%	9.35%
Dune Real Estate Fund III	Jul-13	NCREIF ODCE Index + 1.5% (3)	104	0.5%	4.51%	1.87%	4.51%	1.87%	17.41%	8.08%	14.40%	11.30%	13.18%	11.92%	13.18%	11.92%
Franklin Templeton EMREFF	Aug-11	NCREIF ODCE Index + 1.5% (3)	28	0.1%	1.83%	1.87%	1.83%	1.87%	6.47%	8.08%	16.30%	11.30%	18.64%	12.04%	14.78%	12.32%
Franklin Templeton FTPREF	Jun-12	NCREIF ODCE Index + 1.5% (3)	13	0.1%	1.05%	1.87%	1.05%	1.87%	19.03%	8.08%	24.07%	11.30%	24.45%	12.04%	21.77%	15.37%
Franklin Templeton MDP RE 2015	Sep-15	NCREIF ODCE Index + 1.5% (3)	18	0.1%	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF
Courtland/Pru RE Global Ptrsrhp II	Apr-12	NCREIF ODCE Index + 1.5% (3)	38	0.2%	1.67%	1.87%	1.67%	1.87%	6.50%	8.08%	9.34%	11.30%	10.46%	12.00%	9.53%	12.00%
<i>Real Estate Debt Managers</i>																
Basis Real Estate Fund I	Jan-18	NCREIF ODCE Index + 1.5% (3)	7	0.0%	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF
Oaktree Real Estate Debt Fund II	Dec-17	NCREIF ODCE Index + 1.5% (3)	4	0.0%	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF
Total Direct Real Estate	Jun-05	NCREIF ODCE Index (3)	1,114	5.8%	1.75%	1.50%	1.75%	1.50%	7.12%	6.58%	10.11%	9.80%	10.71%	10.54%	5.85%	4.09%
Global REITs																
BTC Global REIT Fund	Mar-13	FTSE EPRA/NAREIT Developed Index	693	3.6%	-6.64%	-6.70%	-1.30%	-1.80%	0.17%	-0.69%	1.40%	0.64%	4.76%	4.07%	4.76%	4.07%
Total GLOBAL REITs	Apr-07	Blended / FTSE EPRA/NAREIT Dev In	693	3.6%	-6.64%	-6.70%	-1.30%	-1.80%	0.17%	-0.69%	1.34%	0.64%	4.70%	3.99%	3.58%	2.88%
TOTAL REAL ESTATE INVESTMENT TRUSTS																
TOTAL REITs	Mar-00	Custom	693	3.6%	-6.64%	-6.70%	-1.30%	-1.80%	0.17%	-0.69%	1.69%	1.62%	5.66%	5.41%	5.72%	5.25%
Hedge Fund																
KKR Prisma Codlin Fund	Mar-16	LIBOR + 5%	472	2.5%	-1.73%	0.52%	5.02%	4.18%	6.68%	6.24%	4.27%	6.00%	4.27%	6.00%	4.27%	6.00%
PAAMCO Newport Monarch	Apr-16	LIBOR + 5%	459	2.4%	-1.28%	0.52%	1.70%	4.18%	3.51%	6.24%	4.85%	6.01%	4.85%	6.01%	4.85%	6.01%
Total Hedge Funds	Mar-16	LIBOR + 5%	931	4.8%	-1.51%	0.52%	3.36%	4.18%	5.12%	6.24%	4.20%	6.00%	4.20%	6.00%	4.20%	6.00%
Commodities																
Invesco Balanced Risk Commodity Trust	Jun-16	Bloomberg Commodity Index	262	1.4%	-1.30%	-1.73%	12.44%	7.59%	1.79%	1.58%	1.35%	0.36%	1.35%	0.36%	1.35%	0.36%
PIMCO Commodity Alpha Fund	May-16	Bloomberg Commodity Index	104	0.5%	0.87%	-1.73%	7.16%	7.59%	8.54%	1.58%	14.32%	2.69%	14.32%	2.69%	14.32%	2.69%
Total Commodities	May-16	Bloomberg Commodity Index	366	1.9%	-0.69%	-1.73%	10.88%	7.59%	3.63%	1.58%	5.80%	2.69%	5.80%	2.69%	5.80%	2.69%
Opportunity Fund																
Alinda Capital Partners	Dec-09	CPI + 5% (3)	26	0.1%	-9.40%	2.01%	-9.40%	2.01%	-10.52%	7.23%	2.77%	6.22%	4.16%	6.30%	3.90%	6.70%
Macquarie Infrastructure Partners II	Apr-10	CPI + 5% (3)	35	0.2%	2.22%	2.01%	2.22%	2.01%	2.65%	7.23%	3.84%	6.22%	6.61%	6.30%	8.15%	6.69%
Macquarie Infrastructure Partners III	Oct-14	CPI + 5% (3)	40	0.2%	5.04%	2.01%	5.04%	2.01%	15.68%	7.23%	10.20%	6.22%	10.20%	6.22%	10.20%	6.22%
<i>Infrastructure</i>	Dec-09	CPI + 5% (3)	102	0.5%	-0.33%	2.01%	-0.33%	2.01%	1.85%	7.23%	4.70%	6.22%	6.02%	6.30%	6.54%	6.70%
TOTAL OPPORTUNITY FUND	Jul-99	Custom	102	0.5%	-2.03%	0.42%	1.56%	4.59%	2.55%	7.42%	3.84%	6.65%	6.12%	6.62%	9.47%	3.47%
TOTAL FUND																
TOTAL FUND ex-Overlay	Sep-14	Policy Portfolio	19,204	99.6%	-2.65%	-2.61%	7.83%	7.25%	12.29%	11.64%	6.46%	6.39%	8.44%	8.37%	6.45%	6.49%
Parametric Clifton Cash Overlay	Sep-14		68	0.4%	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF	NMF
TOTAL FUND	Oct-81	Policy Portfolio	19,272	100.0%	-2.62%	-2.61%	7.76%	7.25%	12.24%	11.64%	6.50%	6.39%	8.43%	8.37%	6.45%	6.49%

Policy Portfolio Benchmark consists of 23% U.S. Equities (Dow Jones U.S. Total Stock Market), 19% Non-U.S. Equities (MSCI ACWI ex-US), 8% Global Equities (MSCI ACWI), 6% Private Equity (Dow Jones U.S. Total Stock Market + 3%), 19% Fixed Income (Bloomberg Barclays U.S. Aggregate), 4% TIPS (Bloomberg Barclays U.S. TIPS), 3% Emerging Market Debt (Blended Benchmark), 6% Direct Real Estate (NCREIF ODCE Index), 4% REITs (Blended Benchmark), 2% Commodities (Bloomberg Commodity Index), 5% Hedge Funds (LIBOR + 5%) and 1% Opportunity Fund (Blended Benchmark)

(1) inception date of account (2) or since inception, whichever is less (3) reports quarterly in arrears (4) TIPS benchmark used beginning April 2006 (NMF) not meaningful (FOF) fund of funds

SURS Projected Funding Status 2018 Fiscal Year-to-Date Results



	<u>Assets</u>	<u>Estimated Liabilities</u>	<u>Unfunded Liabilities</u>	<u>Market Value Funding Ratio</u>	<u>Rate of Return</u>	
					<u>Month</u>	<u>FYTD</u>
Jun-17 \$	18.48	\$ 41.85	\$ 23.37	44.2%		
Jul-17	18.53	41.96	23.43	44.2%	1.74%	1.7%
Aug-17	18.45	42.07	23.62	43.9%	0.61%	2.4%
Sep-17	18.46	42.18	23.72	43.8%	1.19%	3.6%
Oct-17	18.81	42.29	23.47	44.5%	1.27%	4.9%
Nov-17	19.04	42.39	23.36	44.9%	1.30%	6.3%
Dec-17	19.10	42.50	23.41	44.9%	1.30%	7.6%
Jan-18	19.87	42.61	22.74	46.6%	2.81%	10.7%
Feb-18	19.16	42.72	23.56	44.8%	-2.62%	7.8%

Note: Assets and liabilities are estimated and unaudited through June 30, 2017. The fund has an actuarial value funding ratio of 44.4% at the end of Fiscal Year 2017, utilizing a 7.25% assumed rate of return.