



# City of San Jose Police and Fire Department Retirement Plan – Health Care Trust

**Investment Performance Analysis**For the period ending December 31, 2015

March 3, 2016

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### Total Fund Performance Summary – (Gross of Fees)

#### Ending December 31, 2015 Inception Fiscal 1 Yr Rank 2 Yrs Rank 3 Yrs Rank Market Value 3 Mo Return 5 Yrs Rank YTD Rank Since Portfolio (%)(%)**Health Care Trust** 71,858,339 100.0 -3.6 Jul-12 1.9 20 -2.8 0.9 Policy Benchmark 2.6 12 -3.289 -2.5 93 12 80 3.4 51 Jul-12 Allocation Index 2.3 16 -0.5 73 41 4.6 34 -1.6 71 2.6 Jul-12 InvestorForce Health & Welfare Gross 0.8 -0.72.3 3.5 4.2 4.5 Jul-12 0.5 4.0Median

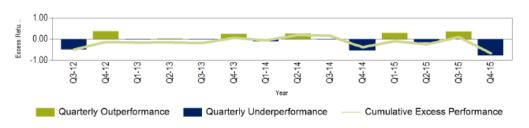
For the three-year period ending December 31, 2015, the Health Care Trust returned 3.3%, trailing the policy benchmark by 0.1% and ranking in the 53<sup>rd</sup> percentile of the InvestorForce Health & Welfare Funds Universe.

For the one-year period ending December 31, 2015, the Health Care Trust produced a net investment loss of \$2.2 million, which includes a net investment gain of \$1.3 million in the fourth calendar quarter. Assets increased from \$55.1 million one year ago to \$71.9 million on December 31, 2015, with \$19.0 million in net contributions during the year.

For the one-year period ending December 31, 2015, the Fund returned -2.8%, trailing the policy benchmark by 0.3% and ranking in the 94<sup>th</sup> percentile of its peers. The Fund's volatility ranks in the bottom quartile of its peers, resulting in a Sharpe Ratio that also ranks in the bottom quartile of its peers.

Please see the appendix for additional performance disclosures. Performance is reported gross of fees.

#### **Quarterly and Cumulative Excess Performance**



#### Since Inception Ending Dec 31, 2015

	Anlzd Return	Rank	Anlzd Standard Deviation	Rank	Sharpe Ratio	Rank	Sortino Ratio	Rank
Health Care Trust	3.9%	51	6.1%	85	0.6	88	1.1	84
Policy Benchmark	4.1%	46	6.4%	92	0.6	88	1.1	85
Allocation Index	5.1%	32	5.5%	81	0.9	75	1.6	71
InvestorForce Health & Welfare Gross Median	4.0%	-	3.0%	-	1.3		2.2	

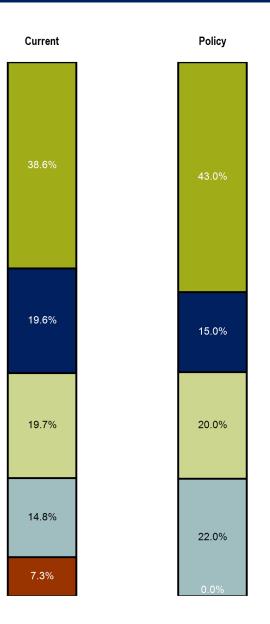
#### 1 Year Ending December 31, 2015

	Anlzd Return	Rank	Anlzd Standard Deviation	Rank	Sharpe Ratio	Rank	Sortino Ratio	Rank
Health Care Trust	-2.8%	94	7.0%	86	-0.4	88	-0.7	89
Policy Benchmark	-2.5%	93	8.2%	98	-0.3	88	-0.5	89
Allocation Index	-0.5%	73	5.9%	80	-0.1	71	-0.1	72
InvestorForce Health & Welfare Gross Median	0.5%	-	3.1%	-	0.1	-	0.2	

Note: The InvestorForce Health & Welfare Funds Universe had 187 observations totaling \$15.7 billion in assets as of 12/31/2015.



## Total Fund Asset Allocation vs Policy Targets



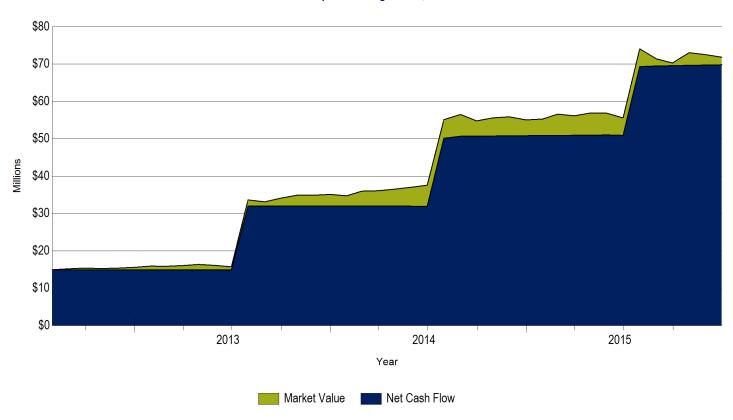
#### **Asset Allocation vs. Target**

	Current Balance	Current Allocation	Policy	Difference *	Policy Range	Within IPS Range?
Equities	\$27,736,630	38.6%	43.0%	-4.4%	25.0% - 50.0%	Yes
Fixed Income	\$14,092,728	19.6%	15.0%	4.6%	5.0% - 25.0%	Yes
Global Asset Allocation	\$14,125,179	19.7%	20.0%	-0.3%	0.0% - 25.0%	Yes
Inflation-Linked	\$10,652,995	14.8%	22.0%	-7.2%	12.0% - 25.0%	Yes
Cash	\$5,250,807	7.3%	0.0%	7.3%	0.0% - 5.0%	No
Total	\$71,858,339	100.0%	100.0%			

<sup>\*</sup>Difference between Policy and Current Allocation

### Health Care Trust Asset Growth Summary

#### Since Inception Ending Dec 31, 2015



Last Three Months	Fiscal Year-To-Date	One Year	Inception 7/1/12
\$70,306,083	\$55,595,234	\$55,066,805	\$0
\$243,634	\$18,907,360	\$18,982,826	\$69,820,705
\$1,308,622	-\$2,644,255	-\$2,191,292	\$2,037,633
\$71,858,339	\$71,858,339	\$71,858,339	\$71,858,339
	Months \$70,306,083 \$243,634 \$1,308,622	Months     Fiscal Year-10-Date       \$70,306,083     \$55,595,234       \$243,634     \$18,907,360       \$1,308,622     -\$2,644,255	Months         Fiscal Year-10-Date         One Year           \$70,306,083         \$55,595,234         \$55,066,805           \$243,634         \$18,907,360         \$18,982,826           \$1,308,622         -\$2,644,255         -\$2,191,292



### Health Care Trust Asset Growth Summary Detail

#### Cash Flow Summary 3 Months Ending Dec 31, 2015

	Beginning Market Value	Withdrawals	Contributions	Net Cash Flow	Net Investment Change	Ending Market Value
Cash	\$4,967,779	-\$2,631	\$285,658	\$283,028	\$0	\$5,250,807
Credit Suisse	\$3,582,452	-\$3,494	\$0	-\$3,494	-\$262,790	\$3,316,168
GMO	\$3,039,936	-\$6,620	\$0	-\$6,620	\$52,105	\$3,085,422
PIMCO	\$4,798,738	-\$11,339	\$0	-\$11,339	-\$53,907	\$4,733,491
Standard Life	\$6,232,699	\$0	\$0	\$0	\$73,567	\$6,306,266
Vanguard REIT Index Fund	\$5,859,665	-\$1,553	\$0	-\$1,553	\$414,276	\$6,272,388
Vanguard Total Bond Market Index Fund	\$14,178,124	-\$2,474	\$0	-\$2,474	-\$82,922	\$14,092,728
Vanguard Total World Stock Index Fund	\$26,530,500	-\$11,263	\$0	-\$11,263	\$1,217,393	\$27,736,630
Wellington	\$1,116,190	-\$2,650	\$0	-\$2,650	-\$49,101	\$1,064,439
Total	\$70,306,083	-\$42,024	\$285,658	\$243,634	\$1,308,622	\$71,858,339

# Cash Flow Summary FYTD Ending Dec 31, 2015

	Beginning Market Value	Withdrawals	Contributions	Net Cash Flow	Net Investment Change	Ending Market Value
Cash	\$1,563,765	-\$15,425,864	\$19,112,905	\$3,687,042	\$0	\$5,250,807
Credit Suisse	\$4,083,597	-\$7,243	\$0	-\$7,243	-\$760,186	\$3,316,168
GMO	\$2,957,438	-\$13,271	\$300,000	\$286,729	-\$158,745	\$3,085,422
PIMCO	\$3,331,646	-\$23,101	\$2,000,000	\$1,976,899	-\$575,054	\$4,733,491
Standard Life	\$4,304,644	\$0	\$2,000,000	\$2,000,000	\$1,622	\$6,306,266
Vanguard REIT Index Fund	\$5,744,217	-\$3,021	\$0	-\$3,021	\$531,192	\$6,272,388
Vanguard Total Bond Market Index Fund	\$7,990,445	-\$4,946	\$6,000,000	\$5,995,054	\$107,229	\$14,092,728
Vanguard Total World Stock Index Fund	\$24,298,991	-\$22,384	\$5,000,000	\$4,977,616	-\$1,539,977	\$27,736,630
Wellington	\$1,320,490	-\$5,716	\$0	-\$5,716	-\$250,335	\$1,064,439
Total	\$55,595,234	-\$15,505,546	\$34,412,905	\$18,907,360	-\$2,644,255	\$71,858,339



### Health Care Trust Asset Growth Summary Detail

#### Cash Flow Summary 1 Year Ending Dec 31, 2015

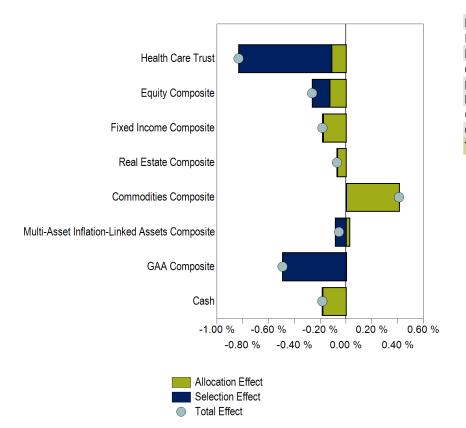
	Beginning Market Value	Withdrawals	Contributions	Net Cash Flow	Net Investment Change	Ending Market Value
Cash	\$2,968,738	-\$19,908,224	\$22,190,294	\$2,282,069	\$0	\$5,250,807
Credit Suisse	\$4,182,309	-\$15,174	\$0	-\$15,174	-\$850,967	\$3,316,168
GMO	\$3,549,566	-\$677,340	\$300,000	-\$377,340	-\$86,805	\$3,085,422
PIMCO	\$3,349,672	-\$38,998	\$2,000,000	\$1,961,002	-\$577,183	\$4,733,491
Standard Life	\$0	\$0	\$6,300,000	\$6,300,000	\$6,266	\$6,306,266
Vanguard REIT Index Fund	\$6,126,031	-\$6,109	\$0	-\$6,109	\$152,466	\$6,272,388
Vanguard Total Bond Market Index Fund	\$10,076,507	-\$2,107,904	\$6,000,000	\$3,892,096	\$124,125	\$14,092,728
Vanguard Total World Stock Index Fund	\$23,464,486	-\$41,807	\$5,000,000	\$4,958,193	-\$686,049	\$27,736,630
Wellington	\$1,349,496	-\$11,911	\$0	-\$11,911	-\$273,145	\$1,064,439
Total	\$55,066,805	-\$22,807,468	\$41,790,294	\$18,982,826	-\$2,191,292	\$71,858,339

# Cash Flow Summary Since Inception Ending Dec 31, 2015

			,			
	Beginning Market Value	Withdrawals	Contributions	Net Cash Flow	Net Investment Change	Ending Market Value
Cash	\$0	-\$71,091,502	\$76,341,869	\$5,250,367	\$440	\$5,250,807
Credit Suisse	-	-\$539,450	\$5,300,000	\$4,760,550	-\$1,444,382	\$3,316,168
First Quadrant	-	-\$742,610	\$890,000	\$147,390	-\$147,390	
GMO	_	-\$691,219	\$3,950,000	\$3,258,781	-\$173,359	\$3,085,422
PIMCO	-	-\$49,850	\$5,650,000	\$5,600,150	-\$866,659	\$4,733,491
Standard Life	-	\$0	\$6,300,000	\$6,300,000	\$6,266	\$6,306,266
Vanguard REIT Index Fund	-	-\$13,805	\$4,988,695	\$4,974,890	\$1,297,498	\$6,272,388
Vanguard Total Bond Market Index Fund	-	-\$4,223,070	\$17,610,434	\$13,387,364	\$705,364	\$14,092,728
Vanguard Total World Stock Index Fund	-	-\$100,005	\$24,671,390	\$24,571,385	\$3,165,245	\$27,736,630
Wellington	-	-\$20,171	\$1,590,000	\$1,569,829	-\$505,390	\$1,064,439
Total	\$0	-\$77,471,682	\$147,292,388	\$69,820,705	\$2,037,633	\$71,858,339



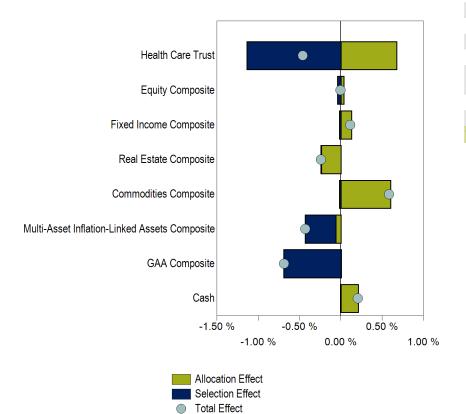
Attribution Effects
3 Months Ending December 31, 2015



## Attribution Summary 3 Months Ending December 31, 2015

	Wtd. Actual Return	Wtd. Index Return	Excess Return	Selection Effect	Allocation Effect	Total Effects
Equity Composite	4.5%	4.9%	-0.4%	-0.1%	-0.1%	-0.3%
Fixed Income Composite	-0.6%	-0.6%	0.0%	0.0%	-0.2%	-0.2%
Real Estate Composite	7.0%	7.1%	0.0%	0.0%	-0.1%	-0.1%
Commodities Composite	-7.4%	-7.4%	0.0%	0.0%	0.4%	0.4%
Multi-Asset Inflation- Linked Assets Composite	-4.6%	0.6%	-5.3%	-0.1%	0.0%	-0.1%
GAA Composite	0.4%	2.8%	-2.5%	-0.5%	0.0%	-0.5%
Cash	0.0%	0.0%	0.0%	0.0%	-0.2%	-0.2%
Total	1.8%	2.6%	-0.8%	-0.7%	-0.1%	-0.8%

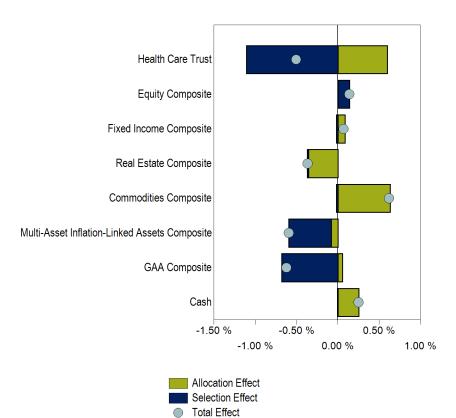
## Attribution Effects FYTD Ending Dec 31, 2015



## Attribution Summary FYTD Ending Dec 31, 2015

			,			
	Wtd. Actual Return	Wtd. Index Return	Excess Return	Selection Effect	Allocation Effect	Total Effects
Equity Composite	-5.2%	-5.2%	-0.1%	0.0%	0.0%	0.0%
Fixed Income Composite	0.6%	0.7%	-0.1%	0.0%	0.1%	0.1%
Real Estate Composite	9.2%	9.3%	-0.1%	0.0%	-0.2%	-0.2%
Commodities Composite	-18.8%	-18.5%	-0.3%	0.0%	0.6%	0.6%
Multi-Asset Inflation- Linked Assets Composite	-19.4%	1.6%	-21.0%	-0.4%	-0.1%	-0.4%
GAA Composite	-5.2%	-1.7%	-3.4%	-0.7%	0.0%	-0.7%
Cash	0.0%	0.0%	0.0%	0.0%	0.2%	0.2%
Total	-3.7%	-3.2%	-0.5%	-1.1%	0.7%	-0.5%

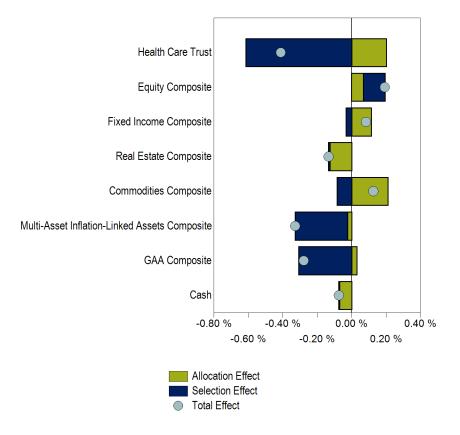
Attribution Effects
1 Year Ending December 31, 2015



## Attribution Summary 1 Year Ending December 31, 2015

	Wtd. Actual Return	Wtd. Index Return	Excess Return	Selection Effect	Allocation Effect	Total Effects
Equity Composite	-1.9%	-2.2%	0.3%	0.1%	0.0%	0.1%
Fixed Income Composite	0.4%	0.5%	-0.1%	0.0%	0.1%	0.1%
Real Estate Composite	2.4%	2.5%	-0.1%	0.0%	-0.4%	-0.4%
Commodities Composite	-20.7%	-20.5%	-0.2%	0.0%	0.6%	0.6%
Multi-Asset Inflation- Linked Assets Composite	-21.1%	5.8%	-26.9%	-0.5%	-0.1%	-0.6%
GAA Composite	-4.6%	-1.7%	-2.8%	-0.7%	0.1%	-0.6%
Cash	0.0%	0.0%	0.0%	0.0%	0.3%	0.3%
Total	-3.0%	-2.5%	-0.5%	-1.1%	0.6%	-0.5%

Attribution Effects
Since Inception Ending Dec 31, 2015



## Attribution Summary Since Inception Ending Dec 31, 2015

	Wtd. Actual Return	Wtd. Index Return	Excess Return	Selection Effect	Allocation Effect	Total Effects
Equity Composite		9.3%		0.1%	0.1%	0.2%
Fixed Income Composite		1.4%		0.0%	0.1%	0.1%
Real Estate Composite		9.6%		0.0%	-0.1%	-0.1%
Commodities Composite		-11.4%		-0.1%	0.2%	0.1%
Multi-Asset Inflation- Linked Assets Composite			-	-0.3%	0.0%	-0.3%
GAA Composite				-0.3%	0.0%	-0.3%
Cash	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%
Total	3.7%	4.1%	-0.4%	-0.6%	0.2%	-0.4%

#### City of San Jose Police and Fire Department Retirement Plan – Health Care Trust

## Health Care Trust Performance Summary – Net of Fees

	Market Value (\$)	% of Portfolio	3 Mo (%)	Rank	Fiscal YTD (%)	Rank	1 Yr (%)	Rank	3 Yrs (%)	Rank	5 Yrs (%)	Rank	Return (%)	Since
Health Care Trust	71,858,339	100.0	1.8	-	-3.7		-3.0		3.1	-			3.8	Jul-12
Policy Benchmark			<u>2.6</u>		<u>-3.2</u>		<u>-2.5</u>		<u>3.4</u>				<u>4.1</u>	Jul-12
Over/Under			-0.8		-0.5		-0.5		-0.3				-0.3	
Allocation Index			2.3		-1.6		-0.5		4.6				5.1	Jul-12
Equity Composite	27,736,630	38.6	4.5	56	-5.2	64	-1.9	66	7.9	67			9.8	Aug-12
Vanguard Total World Stock Index Fund	27,736,630	38.6	4.5	56	-5.2	64	-1.9	66	7.9	67			9.8	Aug-12
MSCI ACWI IMI (Net)			<u>4.9</u>	47	<u>-5.2</u>	64	<u>-2.2</u>	68	<u>7.9</u>	67	<u>6.1</u>	74	<u>9.5</u>	Aug-12
Over/Under			-0.4		0.0		0.3		0.0				0.3	
eA All Global Equity Net Median			4.7	_	-3.9		-0.6		9.1		7.5		10.5	Aug-12
Fixed Income Composite	14,092,728	19.6	-0.6	61	0.6	26	0.4	51	1.3	56			1.3	Aug-12
Vanguard Total Bond Market Index Fund	14,092,728	19.6	-0.6	61	0.6	26	0.4	51	1.3	56			1.3	Aug-12
Barclays Aggregate			<u>-0.6</u>	57	<u>0.7</u>	24	<u>0.5</u>	45	<u>1.4</u>	51	<u>3.2</u>	56	<u>1.4</u>	Aug-12
Over/Under			0.0		-0.1		-0.1		-0.1				-0.1	
eA All US Fixed Inc Net Median			-0.5	_	0.1		0.4		1.5		3.5		1.7	Aug-12
Real Estate Composite	6,272,388	8.7	7.0	71	9.2	67	2.4	88	11.0	71			9.7	Aug-12
Vanguard REIT Index Fund	6,272,388	8.7	7.0	71	9.2	67	2.4	88	11.0	71			9.7	Aug-12
MSCI US REIT			<u>6.7</u>	85	<u>8.5</u>	81	<u>1.3</u>	89	<u>9.7</u>	88	<u>10.6</u>	96	<u>8.5</u>	Aug-12
Over/Under			0.3		0.7		1.1		1.3				1.2	
eA US REIT Net Median			7.4		10.3		4.8		11.9		12.6		10.7	Aug-12
Inflation-Linked Composite	4,380,607	6.1	-6.8		-18.9		-20.8		-14.1	-			-14.0	Oct-12
Commodities Composite	3,316,168	4.6	-7.4	-	-18.8		-20.7		-13.7				-13.7	Oct-12
Custom Commodity Risk Parity Index			<u>-7.4</u>		<u>-18.5</u>		<u>-20.5</u>		<u>-12.9</u>				<u>-12.8</u>	Oct-12
Over/Under			0.0		-0.3		-0.2		-0.8				-0.9	
Credit Suisse	3,316,168	4.6	-7.4		-18.8		-20.7		-13.0				-12.3	Nov-12
Custom Commodity Risk Parity Index			<u>-7.4</u>		<u>-18.5</u>		<u>-20.5</u>		<u>-12.9</u>				<u>-12.3</u>	Nov-12
Over/Under			0.0		-0.3		-0.2		-0.1				0.0	
Multi-Asset Inflation-Linked Assets Composite	1,064,439	1.5	-4.6		-19.4		-21.1						-16.9	Jan-14
Wellington	1,064,439	1.5	-4.6		-19.4		-21.1						-16.9	Jan-14
CPI + 5% (Unadjusted)			<u>0.6</u>		<u>1.6</u>		<u>5.8</u>		<u>6.0</u>		<u>6.6</u>		<u>5.8</u>	Jan-14
Over/Under			-5.2		-21.0		-26.9						-22.7	

Fiscal year ends June 30.



#### City of San Jose Police and Fire Department Retirement Plan – Health Care Trust

## Health Care Trust Performance Summary – Net of Fees

	Market Value (\$)	% of Portfolio	3 Mo (%)	Rank	Fiscal YTD (%)	Rank	1 Yr (%)	Rank	3 Yrs (%)	Rank	5 Yrs (%)	Rank	Return (%)	Since
GAA Composite	14,125,179	19.7	0.4		-5.2		-4.6	-		-	-		-7.4	Sep-14
60% MSCI World (Net) / 40% CITI WGBI Over/Under			<u>2.8</u> -2.4		<u>-1.7</u> -3.5		<u>-1.7</u> -2.9		<u>4.7</u>		<u>4.7</u>		<u>-3.5</u> -3.9	Sep-14
GMO	3,085,422	4.3	1.5		-5.2		-4.2						-5.1	Sep-14
CPI + 5% (Seasonally Adjusted) Over/Under			<u>1.3</u> 0.2		<u>2.5</u> -7.7		<u>5.7</u> -9.9		<u>6.0</u>		<u>6.6</u>		<u>5.1</u> -10.2	Sep-14
60% MSCI World (Net) / 40% CITI WGBI			2.8		-1.7		-1.7		4.7		4.7		-3.5	Sep-14
PIMCO	4,733,491	6.6	-1.4		-11.3		-11.7						-14.6	Sep-14
CPI + 6.5% (Seasonally Adjusted) Over/Under			<u>1.7</u> -3.1		<u>3.2</u> -14.5		<u>7.2</u> -18.9		<u>7.5</u>		<u>8.1</u>		<u>6.6</u> -21.2	Sep-14
60% MSCI World (Net) / 40% CITI WGBI			2.8		-1.7		-1.7		4.7		4.7		-3.5	Sep-14
Standard Life	6,306,266	8.8	1.2		0.0								0.5	Feb-15
91 Day T-Bill + 5% Over/Under			<u>1.3</u> -0.1		<u>2.5</u> -2.5		<u>5.0</u>		<u>5.0</u>		<u>5.0</u>		<u>4.6</u> -4.1	Feb-15
60% MSCI World (Net) / 40% CITI WGBI			2.8		-1.7		-1.7		4.7		4.7		-0.5	Feb-15
Cash	5,250,807	7.3	0.0		0.0		0.0		0.0				0.0	Jul-12
Cash	5,250,807	7.3	0.0		0.0		0.0		0.0				0.0	Jul-12
91 Day T-Bills Over/Under			<u>0.0</u> 0.0		<u>0.0</u> 0.0		<u>0.0</u> 0.0		<u>0.0</u> 0.0		<u>0.0</u>		<u>0.0</u> 0.0	Jul-12

Fiscal year ends June 30.



#### Policy Benchmark History

- **7/1/12 7/31/12:** 90 day T-Bills
- 8/1/12 12/31/13: 43% MSCI ACWI IMI (Net)/35% Barclays Capital U.S. Aggregate/10% MSCI U.S. REIT/12% Custom Commodity Risk Parity Index
- 1/1/14 8/31/2014: 43% MSCI ACWI IMI (Net)/35% Barclays Capital U.S. Aggregate/10% MSCI U.S. REIT/9% Custom Commodity Risk Parity Index/3% CPI + 5% (Unadjusted)
- **9/1/14 present**: 43% MSCI ACWI IMI (Net)/15% Barclays Capital U.S. Aggregate/10% MSCI U.S. REIT/9% Custom Commodity Risk Parity Index/3% CPI + 5% (Unadjusted)/20% 60/40 MSCI World (Net)/Citi World Government Bond Index

#### Information Disclaimer and Reporting Methodology

#### **Information Disclaimer**

- Past performance is no guarantee of future results.
- All investments carry some level of risk. Diversification and other asset allocation techniques are not guaranteed to ensure profit or protect against losses.
- NEPC's source for portfolio pricing, calculation of accruals, and transaction information is the plan's custodian bank.
   Information on market indices and security characteristics is received from other sources external to NEPC. While NEPC has exercised reasonable professional care in preparing this report, we cannot guarantee the accuracy of all source information contained within.
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#### **Reporting Methodology**

- The client's custodian bank is NEPC's preferred data source unless otherwise directed. NEPC generally reconciles custodian data to manager data. If the custodian cannot provide accurate data, manager data may be used.
- Trailing time period returns are determined by geometrically linking the holding period returns, from the first full month after inception to the report date. Rates of return are annualized when the time period is longer than a year. Performance is presented gross and/or net of manager fees as indicated on each page.
- For managers funded in the middle of a month, the "since inception" return will start with the first full month, although
  actual inception dates and cash flows are taken into account in all Composite calculations.
- This report may contain forward-looking statements that are based on NEPC's estimates, opinions and beliefs, but NEPC cannot guarantee that any plan will achieve its targeted return or meet other goals.

