

First Quarter 2018 Performance Evaluation April 23, 2018

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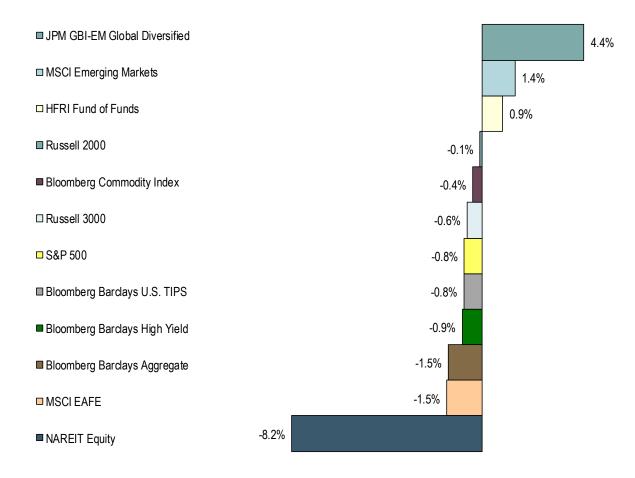
Certification

Meketa Investment Group has been retained by the Metropolitan Water District of Southern California to monitor the ongoing investment performance of their internally and externally managed portfolios. The performance data presented in this report is based on data provided by the custodian, which has been fully reconciled to the data provided by both the investment managers and the treasury staff.



The World Markets First Quarter of 2018

#### The World Markets<sup>1</sup> First Quarter of 2018

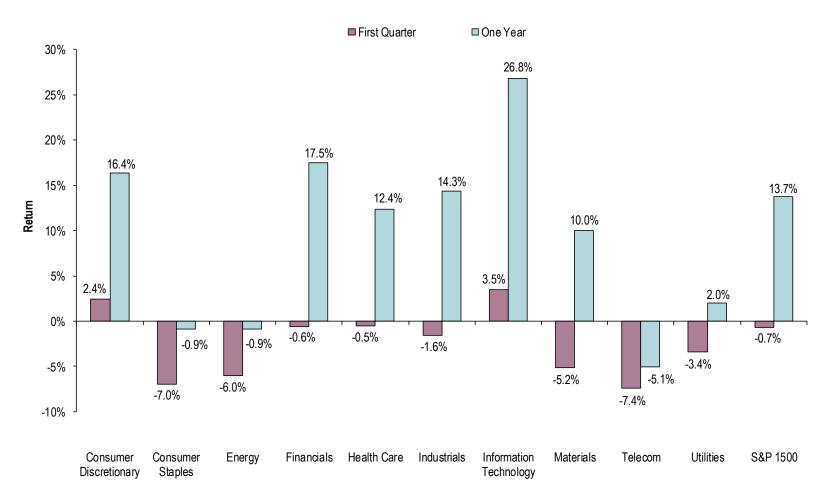


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# The World Markets First Quarter of 2018

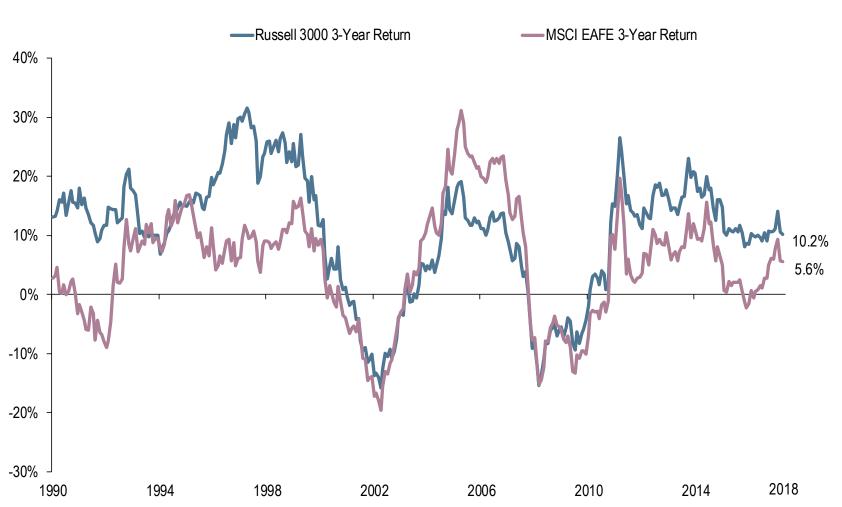
Index Returns <sup>1</sup>									
	1Q18 (%)	1 YR (%)	3 YR (%)	5 YR (%)	10 YR (%)				
Domestic Equity									
Russell 3000	-0.6	13.8	10.2	13.0	9.6				
Russell 1000	-0.7	14.0	10.4	13.2	9.6				
Russell 1000 Growth	1.4	21.3	12.9	15.5	11.3				
Russell 1000 Value	-2.8	6.9	7.9	10.8	7.8				
Russell MidCap	-0.5	12.2	8.0	12.1	10.2				
Russell MidCap Growth	2.2	19.7	9.2	13.3	10.6				
Russell MidCap Value	-2.5	6.5	7.2	11.1	9.8				
Russell 2000	-0.1	11.8	8.4	11.5	9.8				
Russell 2000 Growth	2.3	18.6	8.8	12.9	11.0				
Russell 2000 Value	-2.6	5.1	7.9	10.0	8.6				
Foreign Equity									
MSCI ACWI (ex. U.S.)	-1.2	16.5	6.2	5.9	2.7				
MSCI EAFE	-1.5	14.8	5.6	6.5	2.7				
MSCI EAFE (Local Currency)	-4.3	5.3	3.4	8.5	4.5				
MSCI EAFE Small Cap	0.2	23.5	12.3	11.1	6.5				
MSCI Emerging Markets	1.4	24.9	8.8	5.0	3.0				
MSCI Emerging Markets (Local Currency)	0.7	22.0	9.0	8.3	5.4				
Fixed Income									
Bloomberg Barclays Universal	-1.4	1.5	1.7	2.2	4.0				
Bloomberg Barclays Aggregate	-1.5	1.2	1.2	1.8	3.6				
Bloomberg Barclays U.S. TIPS	-0.8	0.9	1.3	0.0	2.9				
Bloomberg Barclays High Yield	-0.9	3.8	5.2	5.0	8.3				
JPM GBI-EM Global Diversified	4.4	12.9	5.4	-0.7	3.7				
Other									
NAREIT Equity	-8.2	-4.5	1.1	5.9	6.4				
Bloomberg Commodity Index	-0.4	3.7	-3.2	-8.3	-7.7				
HFRI Fund of Funds	0.9	6.2	2.1	3.5	1.6				

The World Markets First Quarter of 2018



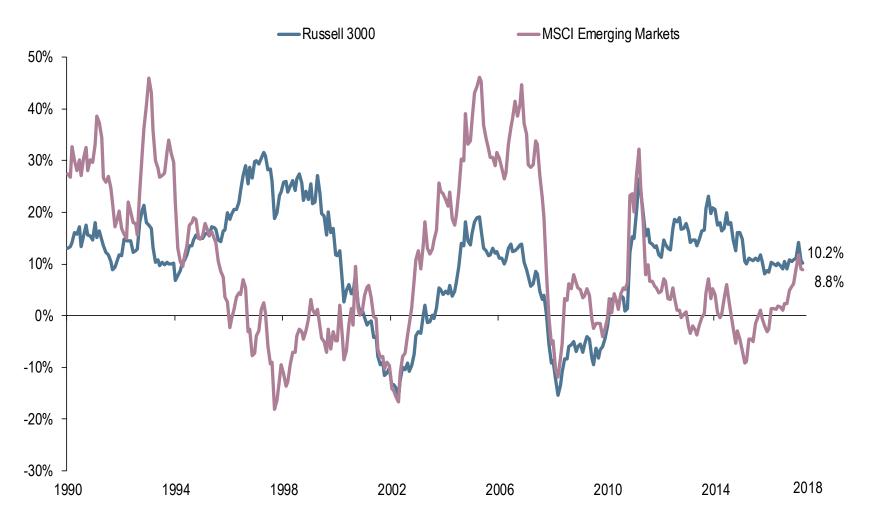
S&P Sector Returns<sup>1</sup>

<sup>1</sup> Source: InvestorForce. Represents S&P 1500 (All Cap) data.



U.S. and Developed Market Foreign Equity Rolling Three-Year Returns<sup>1</sup>

<sup>1</sup> Source: InvestorForce.



U.S. and Emerging Market Equity Rolling Three-Year Returns<sup>1</sup>

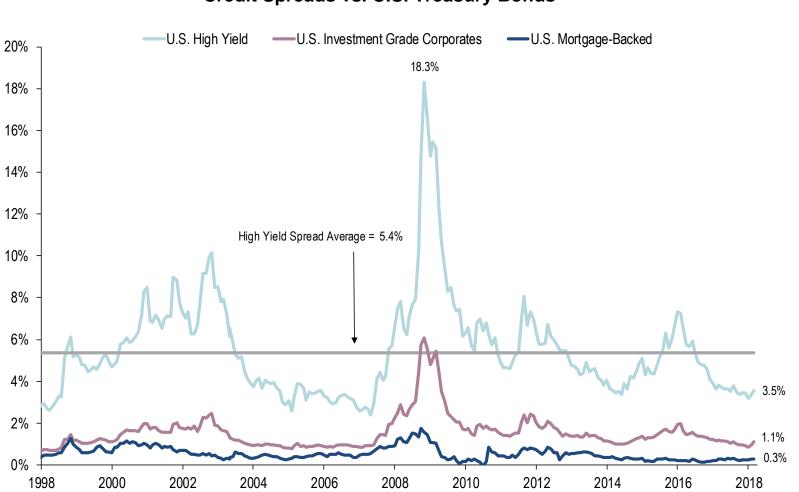
<sup>1</sup> Source: InvestorForce.

#### -----65% Stocks (MSCI ACWI) / 35% Bonds (Bloomberg Barclays Aggregate) 10-Year Rolling Return 14% 12% 10% 1998-2018 Average = 6.8% 8% 6% 5.2% 4% 2% 0% 2000 2002 2004 2006 2008 2010 2012 2014 2016 1998 2018

#### Rolling Ten-Year Returns: 65% Stocks and 35% Bonds<sup>1</sup>

<sup>1</sup> Source: InvestorForce.

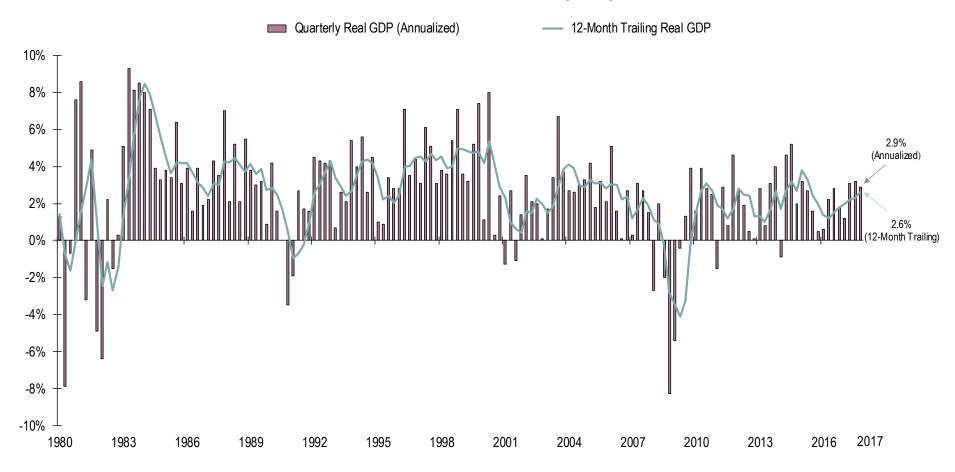




Credit Spreads vs. U.S. Treasury Bonds<sup>1,2</sup>

<sup>1</sup> Source: Barclays Live. <sup>2</sup> The median high yield spread was 4.9% from 1997-2018.

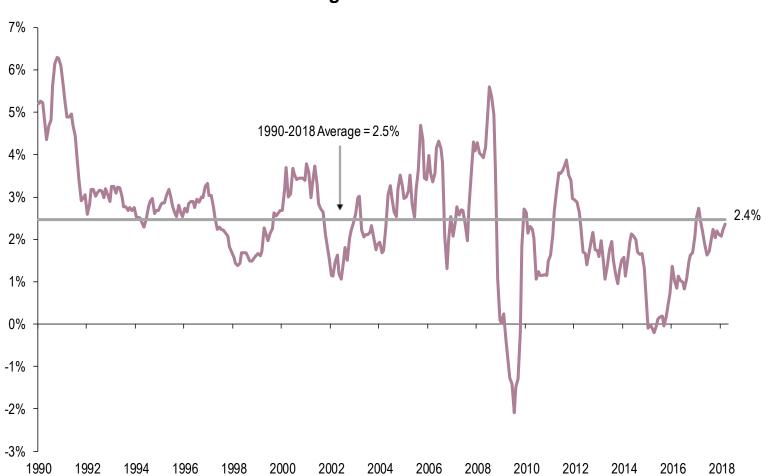




#### U.S. Real Gross Domestic Product (GDP) Growth<sup>1</sup>

<sup>1</sup> Source: Bureau of Economic Analysis. Q1 2018 GDP data is not yet available. Data is as of Q4 2017 and represents the third estimate.



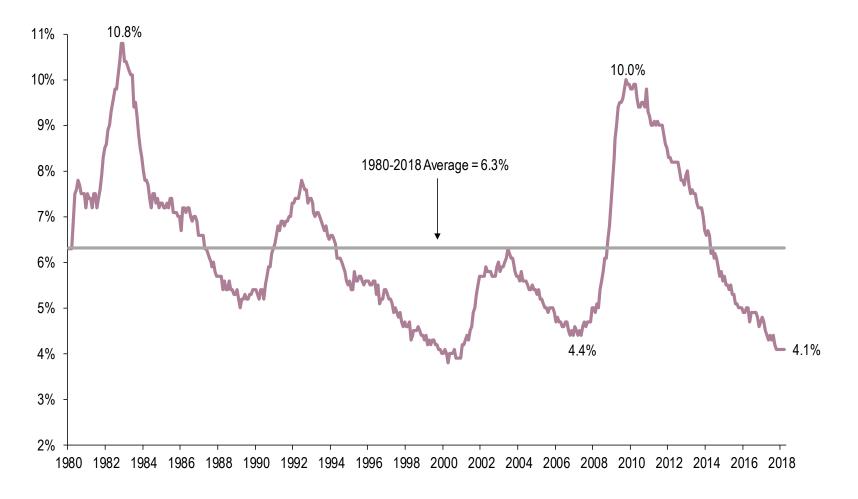


U.S. Inflation (CPI) Trailing Twelve Months<sup>1</sup>

<sup>1</sup> Source: Bureau of Labor Statistics. Data is non-seasonally adjusted CPI, which may be volatile in the short-term. Data is as of March 31, 2018.







<sup>1</sup> Source: Bureau of Labor Statistics. Data is as of March 31, 2018.



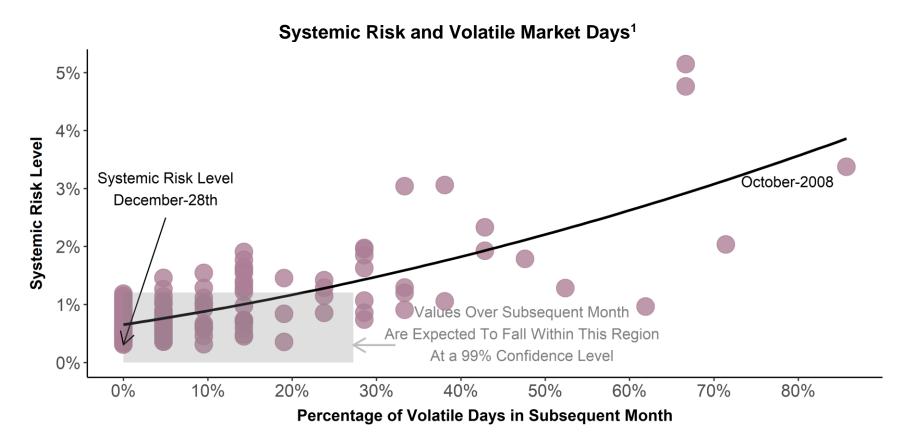
# **Capital Markets Outlook**

#### Capital Markets Outlook<sup>1</sup>

- While markets, particularly developed markets, face some longer term headwinds such as high debt levels and demographic challenges; heading into 2018 investors continue to be relatively sanguine.
  - Risk across markets as measured by our Systemic Risk metric remains subdued.
  - Momentum will likely carry the synchronized global growth of 2017 into the early parts of 2018.
  - Corporate profits continue to be strong.
  - Equity valuation levels remain reasonable for developed international and emerging market stocks.
- That said, investors are faced with two primary issues in the near-term: 1) historically low bond yields and 2) the potential for a transition into a rising rate environment. High equity valuations in U.S. markets also warrant caution.
  - At 2.4%, the yield on the ten-year Treasury remains far below its post-WWII average of 5.9%.
  - As of December 31st, spreads for both high yield (3.3%) and investment grade (0.8%) corporate bonds were below their respective historical averages, leaving little cushion to weather defaults or rising rates.
  - The Federal Reserve has indicated that they will likely raise the Fed Funds rate 3 times in 2018, and continue to "normalize" their balance sheet.
  - The price of the U.S. stock market relative to ten-year average earnings has trended up after the financial crisis, and remains well above its historical average (32.4x versus 16.8x).
- Entering 2018, we are in the later stages of the economic expansion. Most bull market expansions do not end due to old age, but typically falter due to unsustainable imbalances such as rising wage pressures, accelerating inflation, high debt levels, an overheating economy, and aggressive central bank policy.

<sup>&</sup>lt;sup>1</sup> Sources: Bloomberg, U.S. Treasury, and Meketa Investment Group. Data is as of January 2, 2018.

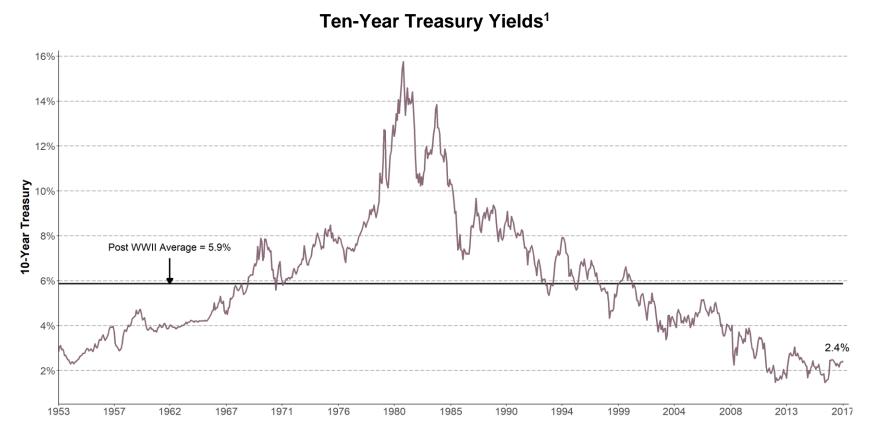




- Systemic Risk, which measures risk across markets, is important because the more contagion of risk that exists between assets, the more likely it is that markets will experience volatile periods.
- After a volatile start to 2017, our Systemic Risk measure returned to a low level by year end; while this is a positive measure in the short term, many serious medium term risks loom large.
- Risk environments can change quickly and caution is warranted, especially given high U.S. valuations and heightened global political risk (North Korea/Brexit Negotiations/etc.).

<sup>&</sup>lt;sup>1</sup> Source: Meketa Investment Group, as of December 28, 2017. Volatile days are defined as the top 10 percent of realized turbulence which is a multivariate distance between asset returns.

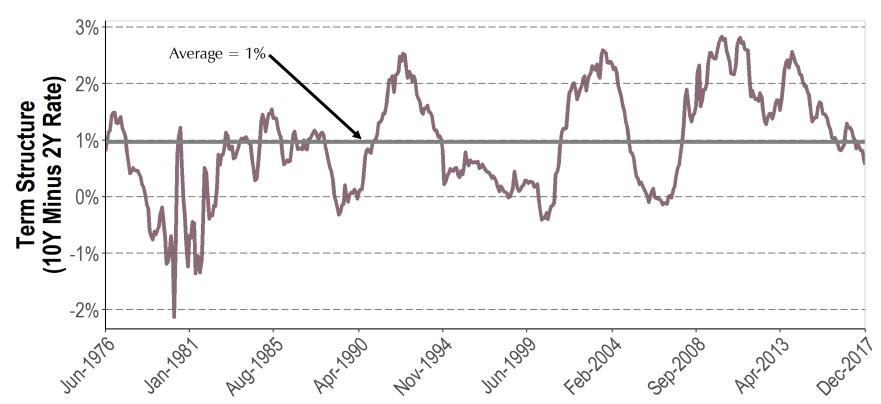




- As of January 2nd, the ten-year treasury yield was 2.4%, which is below the post-WWII average and below the 2.5% level of one year ago.
- The path of central bank interest rates remains at the center of market focus.
  - The Federal Reserve and implied market forecasts disagree. The overall trend has been for the market forecast to come closer to the Federal Reserve's projections. This indicates that the market is more convinced that future rate increases will occur than they were a year ago.

<sup>1</sup> Source: U.S. Treasury. Data is as of January 2, 2018.



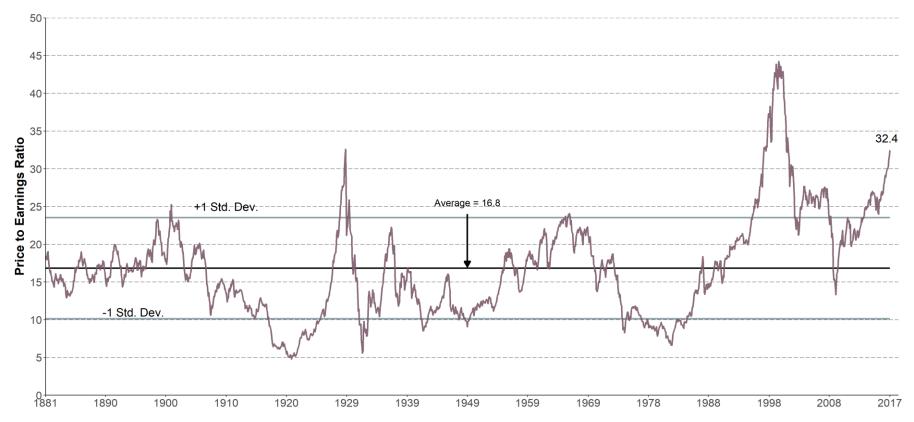




- This Term Structure chart of the U.S. Treasury curve indicates how much higher 10 year interest rates are compared to 2 year interest rates. This metric has just recently fallen below average.
- A larger number indicates a steeper curve, which in turn indicates higher growth and inflation expectations in the future. A negative term structure normally indicates recessionary expectations.

<sup>&</sup>lt;sup>1</sup> Source: U.S. Treasury. Data is as of January 2, 2018.



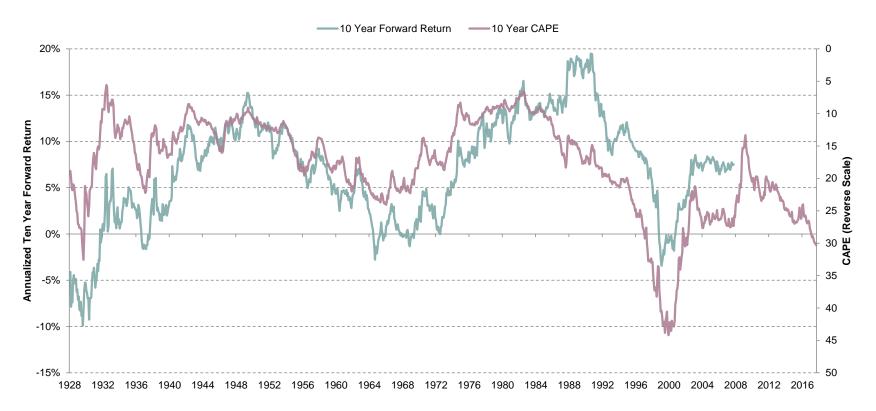


## U.S. Equity Cyclically Adjusted P/E<sup>1</sup>

- As of January 2nd, the cyclically adjusted P/E ratio for the S&P 500 was 32.4x, which is well above its average of 16.8x.
- Historically, a P/E ratio at this level has led to below average future returns over a 10 year horizon.

<sup>&</sup>lt;sup>1</sup> Source: Robert Shiller and Yale University. Data is from January 31, 1881 to January 2, 2018.

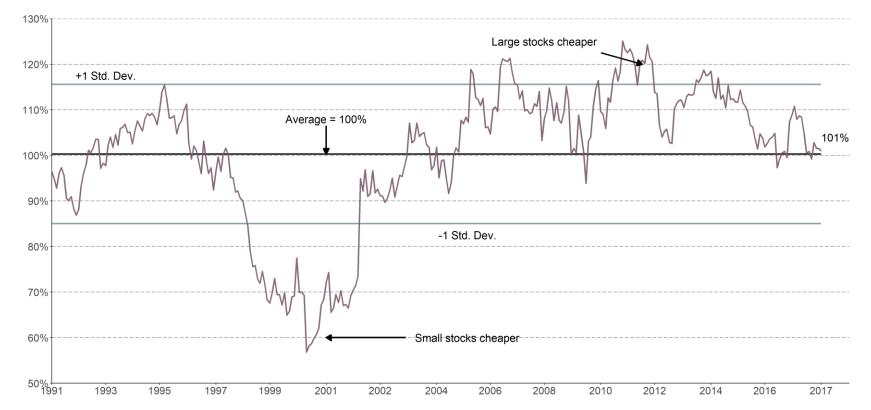




- One of the most powerful predictors of long-term equity returns has been the Cyclically Adjusted Price to Earnings Ratio (CAPE).
- This fundamentally driven measure is highly correlated with future returns, which are shown in the chart above using the CAPE metric on a reverse scale.

Source: PE data are from Robert Shiller's website from 1927 - 1946; S&P and Bloomberg 1946 – present. S&P 500 equity returns are from Bloomberg for the entire period. Data is from December 31, 1927 to January 2, 2018.



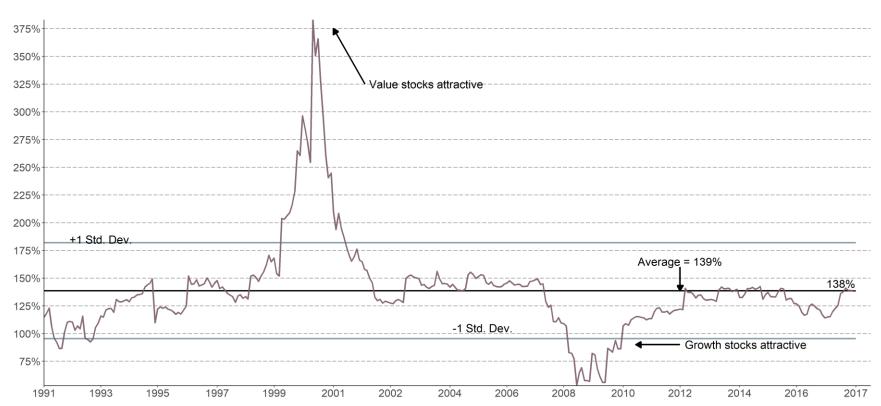


### Small Cap P/E vs. Large Cap P/E<sup>1</sup>

- The P/E ratio of small cap stocks (Russell 2000) relative to large cap stocks (Russell 1000) has been a consistent indicator of the relative valuation between companies based on their size.
- At 101%, this metric currently indicates that large size company valuations are in-line with those of smaller sized companies.

<sup>&</sup>lt;sup>1</sup> Source: Russell Investments. Earnings figures represent 12-month "as reported" earnings. Data is as of December 29, 2017.





Growth P/E vs. Value P/E<sup>1</sup>

- The P/E ratio of growth stocks (Russell 3000 Growth) relative to value stocks (Russell 3000 Value) was at a level of 138% as of December 29th, close to its long term average.
- Of note, the long-term average was sharply influenced by the technology bubble of the late 1990s.

<sup>1</sup> Source: Bloomberg, MSCI, and Meketa Investment Group. Earnings figures represent 12-month "as reported" earnings. Data is as of December 29, 2017.

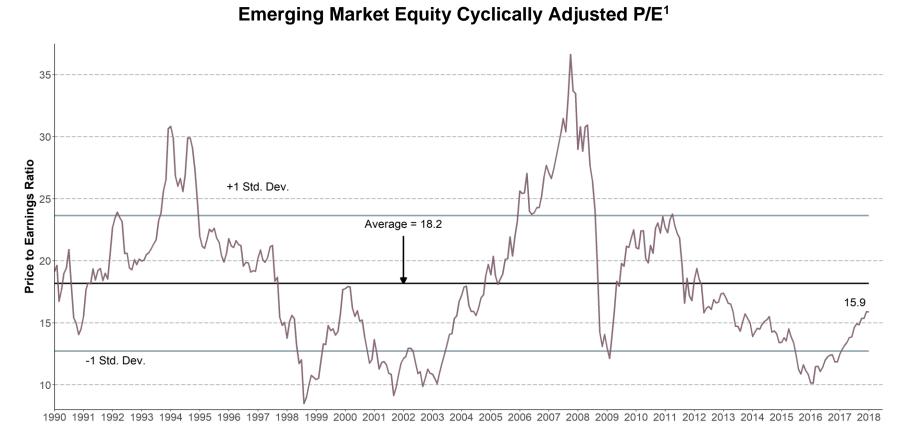


Developed International Equity Cyclically Adjusted P/E<sup>1</sup>

- As of January 2nd, the price to earnings valuation for the MSCI EAFE (ex-Japan) is slightly below the historical average.
- This ratio has seen a strong positive trend as economic fundamentals have continued to strengthen in the region.

<sup>&</sup>lt;sup>1</sup> Source: MSCI and Bloomberg. Earnings figures represent the average of monthly "as reported" earnings over the previous ten years. Data is as of January 2, 2018.

**Capital Markets Outlook** 



- Emerging market equities (MSCI Emerging Markets) are priced slightly below their (brief) historical average.
- By this metric, emerging market equities are trading at a much lower valuation than U.S. equities, and at a slightly lower valuation than non-U.S. developed market equities.

<sup>&</sup>lt;sup>1</sup> Source: MSCI and Bloomberg. Earnings figures represent the average of monthly "as reported" earnings over the previous ten years. Data is as of January 2, 2018.

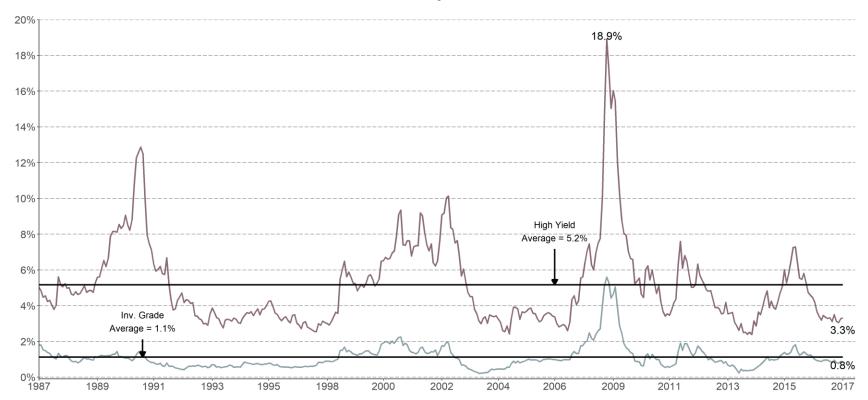


### Ten-Year Breakeven Inflation<sup>1</sup>

- Breakeven (or expected) inflation, the difference between the nominal yield on a ten-year Treasury and the real yield on a ten-year TIPS, is slightly below its long term average.
- The most recent Year over Year (YoY) inflation rate was 2.2%, indicating that the market future expectation is for inflation to be roughly in line relative to current inflation.

<sup>1</sup> Source: U.S. Treasury and Federal Reserve. Data is as of January 2, 2018 for TIPS and Treasuries. Inflation is measured by the Consumer Price Index (CPI-U NSA) for which the most recent data point is from November 30, 2017.

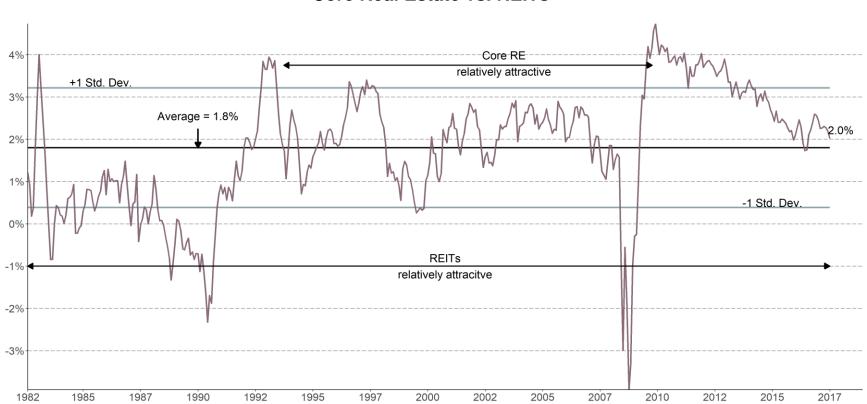




### **Credit Spreads**<sup>1</sup>

- As of January 2nd, credit spreads (versus U.S. Treasury bonds) for both high yield and investment grade corporate bonds were below their respective historical averages.
- Recent market jitters have subsided somewhat as can be seen especially in the high yield spread.

Source: Barclays Capital. High Yield is proxied by the Barclays High Yield index and Investment Grade Corporates are proxied by the Barclays U.S. Corporate Investment Grade index. Data is as of January 2, 2018.

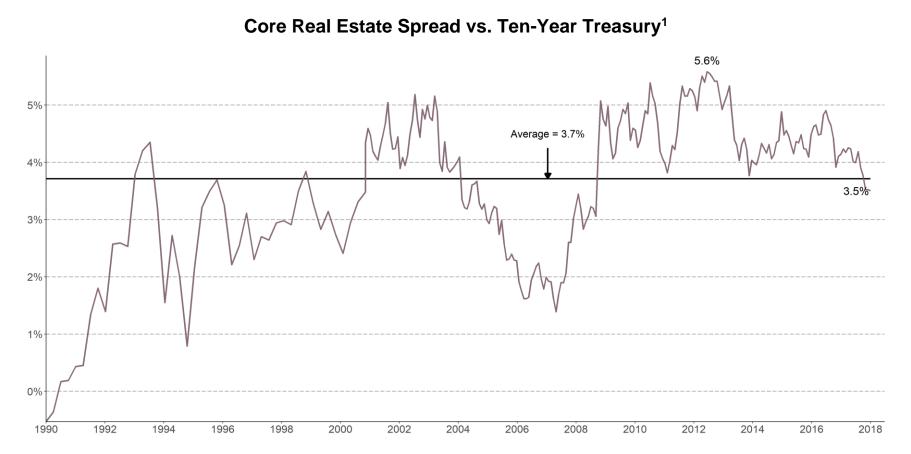


Core Real Estate vs. REITs<sup>1</sup>

- The spread between core real estate cap rates and REIT yields was 2.0%, reaching slightly above the long term historical average level.
- REITs were yielding 3.4%, well below the 10.1% level of early 2009.

<sup>&</sup>lt;sup>1</sup> Sources: Bloomberg, Real Capital Analytics, NCREIF, and Meketa Investment Group. Core Real Estate is proxied by weighted sector transaction based indices from Real Capital Analytics and Meketa Investment Group and data is as of November 30, 2017. REITs are proxied by the yield for the NAREIT Equity index and data is as of December 29, 2017.





- At 3.5%, the difference between the 5.9% cap rate for core real estate and the 2.4% yield for the ten-year Treasury is below its historical average.
- Still, the absolute level of core real estate cap rates is near a historical low.

<sup>&</sup>lt;sup>1</sup> Source: Real Capital Analytics, U.S. Treasury, Bloomberg, and Meketa Investment Group. Core Real Estate is proxied by weighted sector transaction based indices from Real Capital Analytics and Meketa Investment Group and data is as of January 2, 2018. U.S. Treasury data uses the latest yield data which is as of January 2, 2018.



Capital Markets Outlook

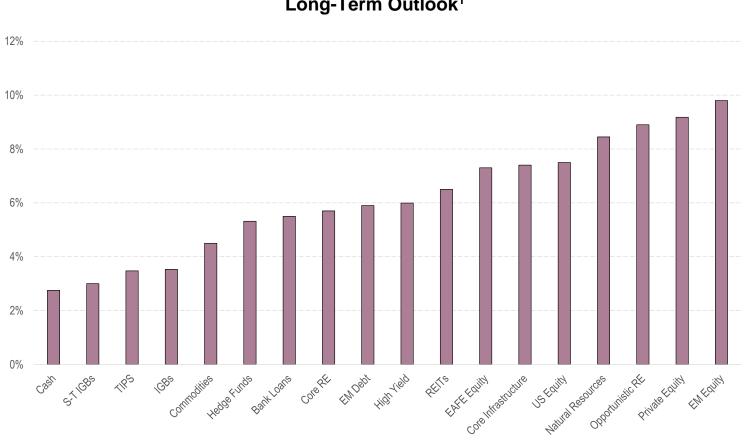


**REITs Dividend Yield Spread vs. Ten-Year Treasury<sup>1</sup>** 

- As of December 29th, REIT yield spreads were 1.6%. This spread represents a change of -0.4% from the previous year.
- As with core real estate, the absolute level of REIT dividend yields, 3.4%, is near a historical low.

<sup>1</sup> Source: NAREIT, U.S. Treasury. REITs are proxied by the yield for the NAREIT Equity index. Data is as of December 29, 2017.





Long-Term Outlook<sup>1</sup>

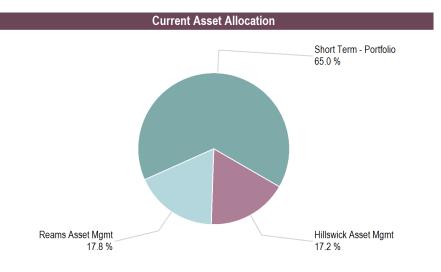
Based on Meketa Investment Group's long-term expectations, only a handful of asset classes are priced to ۲ produce returns above 7.5% per year. All of these asset classes incorporate a high degree of volatility.

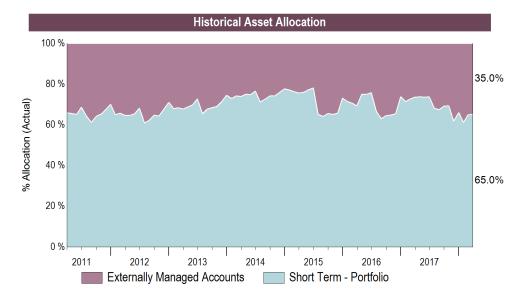
<sup>&</sup>lt;sup>1</sup> Twenty-year expected returns based upon Meketa Investment Group's 2017 Annual Asset Study.



As of March 31, 2018

Portfolio Summary									
	Market Value	% of Portfolio							
Met Water District of SoCal	991,367,850	100.0							
Externally Managed Accounts	346,755,259	35.0							
Hillswick Asset Mgmt	170,415,337	17.2							
Reams Asset Mgmt	176,339,922	17.8							
Short Term - Portfolio	644,612,592	65.0							

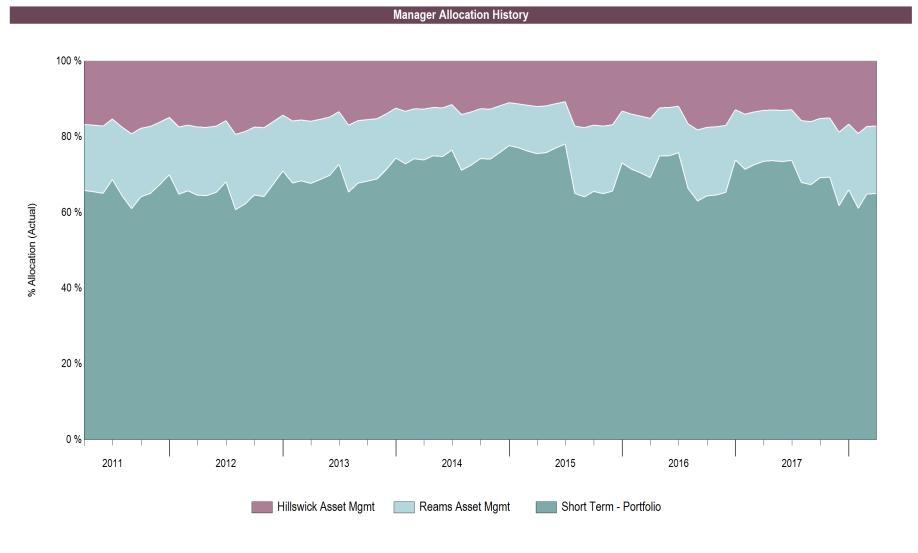




Prepared by Meketa Investment Group

## Metropolitan Water District of Southern California

As of March 31, 2018



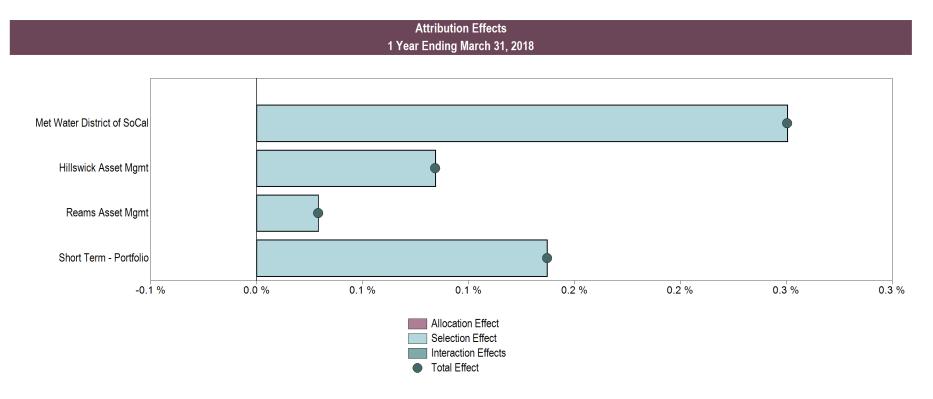
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Performance Overview										
	QTD F (%)	scal YTD (%)	1 Yr (%)	2 Yrs (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date	
Met Water District of SoCal	0.0	0.5	0.9	0.7	0.7	0.7	1.5	2.4	May-02	
Total Fund Benchmark	0.1	0.4	0.7	0.5	0.5	0.4	0.8	1.8	May-02	
Externally Managed Accounts	-0.5	-0.1	0.5	0.3	0.8	1.0	2.5	3.3	May-02	
ICE BofAML 1-5 Yrs AAA-A US Corp & Govt TR	-0.4	-0.4	0.1	0.2	0.7	0.8	1.9	2.9	May-02	
Short Term - Portfolio	0.3	0.9	1.3	1.0	0.8	0.7	1.0	1.8	May-02	
ICE BofAML 91 Days T-Bills TR	0.4	0.9	1.1	0.7	0.5	0.3	0.3	1.3	<i>May-</i> 02	

Rolling Performance Summary											
	QTD Fi (%)	scal YTD (%)	1 Yr (%)	2 Yrs (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date		
Met Water District of SoCal	0.0	0.5	0.9	0.7	0.7	0.7	1.5	2.4	May-02		
Total Fund Benchmark	0.1	0.4	0.7	0.5	0.5	0.4	0.8	1.8	May-02		
Externally Managed Accounts	-0.5	-0.1	0.5	0.3	0.8	1.0	2.5	3.3	May-02		
ICE BofAML 1-5 Yrs AAA-A US Corp & Govt TR	-0.4	-0.4	0.1	0.2	0.7	0.8	1.9	2.9	May-02		
Hillswick Asset Mgmt	-0.3	0.1	0.6	0.3	0.8	1.1	2.3	3.3	May-02		
ICE BofAML 1-5 Yrs AAA-A US Corp & Govt TR	-0.4	-0.4	0.1	0.2	0.7	0.8	1.9	2.9	May-02		
Reams Asset Mgmt	-0.7	-0.3	0.3	0.4	0.8	1.0	2.7	3.4	May-02		
ICE BofAML 1-5 Yrs AAA-A US Corp & Govt TR	-0.4	-0.4	0.1	0.2	0.7	0.8	1.9	2.9	May-02		
Short Term - Portfolio	0.3	0.9	1.3	1.0	0.8	0.7	1.0	1.8	May-02		
ICE BofAML 91 Days T-Bills TR	0.4	0.9	1.1	0.7	0.5	0.3	0.3	1.3	May-02		

Manager Scorecard 3 Years Ending March 31, 2018										
	Anlzd Return	Ann Excess BM Return	Anlzd Standard Deviation	Anlzd Alpha J	Beta	Sharpe Ratio	R-Squared	Up Mkt Capture Ratio Anlzd	Down Mkt Capture Ratio Anlzd	
Met Water District of SoCal	0.73%	0.24%	0.43%	0.24%	1.12	0.42	0.96	128.45%	92.82%	
Hillswick Asset Mgmt	0.81%	0.15%	1.33%	0.15%	1.05	0.20	0.94	106.50%	97.25%	
Reams Asset Mgmt	0.76%	0.10%	1.07%	0.12%	0.86	0.20	0.96	93.61%	82.09%	
Short Term - Portfolio	0.83%	0.30%	0.13%	0.29%	0.71	2.13	0.55	151.05%	-539.28%	

Manager Scorecard										
5 Years Ending March 31, 2018 Up Mkt Down Anlzd Return Ann Excess Anlzd Standard BM Return Deviation Anlzd Alpha J Beta Sharpe Ratio R-Squared Capture Ratio Capture Anlzd Anlz										
Met Water District of SoCal	0.73%	0.31%	0.65%	0.26%	1.51	0.59	0.76	160.84%	145.03%	
Hillswick Asset Mgmt	1.06%	0.22%	1.53%	0.16%	1.12	0.47	0.88	111.72%	102.60%	
Reams Asset Mgmt	1.01%	0.17%	1.09%	0.25%	0.83	0.62	0.96	91.16%	74.36%	
Short Term - Portfolio	0.68%	0.35%	0.54%	0.35%	0.62	0.64	0.02	183.56%	-2,051.01%	



			ion Summary ng March 31, 2018				
	Wtd. Actual Return	Wtd. Index Return	Excess Return	Selection Effect	Allocation Effect	Interaction Effects	Total Effects
Hillswick Asset Mgmt	0.6%	0.1%	0.5%	0.1%	0.0%	0.0%	0.1%
Reams Asset Mgmt	0.3%	0.1%	0.2%	0.0%	0.0%	0.0%	0.0%
Short Term - Portfolio	1.3%	1.1%	0.2%	0.1%	0.0%	0.0%	0.1%
Total	1.0%	0.7%	0.3%	0.3%	0.0%	0.0%	0.3%

		Fee Sumary			
Name	Fee Schedule	Market Value	Estimated Fee	Estimated Fee Value	Industry Average
Hillswick Asset Mgmt	0.15% of Assets	\$170,415,337	0.15%	\$255,623	
Reams Asset Mgmt	0.15% of Assets	\$176,339,922	0.15%	\$264,510	
Short Term - Portfolio		\$644,612,592			
Total		\$991,367,850	0.05%	\$520,133	

Fiscal Year to Date Cash Flow Summary from July 01, 2017 to March 31, 2018								
	Beginning Market Value	Contributions	Withdrawals	Fees	Net Investment Change	Ending Market Value	Transfers In	Transfers Out
Hillswick Asset Mgmt	\$170,246,820	\$0	\$0	\$0	\$168,516	\$170,415,337	\$0	\$0
Reams Asset Mgmt	\$176,942,941	\$0	\$0	\$0	-\$603,019	\$176,339,922	\$0	\$0
Short Term - Portfolio	\$975,347,204	\$980,912,107	-\$1,317,511,822	\$0	\$5,865,103	\$644,612,592	\$0	\$0
Total	\$1,322,536,965	\$980,912,107	-\$1,317,511,822	\$0	\$5,430,601	\$991,367,850	\$0	\$0

	Fiscal Year Performance (Peer	Rank)					
	for the Years Ending June 30	oth					
	Fiscal YTD (%)	Fiscal 2017 (%)	Fiscal 2016 (%)	Fiscal 2015 (%)	Fiscal 2014 (%)	Fiscal 2013 (%)	Fiscal 2012 (%)
Met Water District of SoCal	0.5	0.5	1.2	0.9	1.4	-0.1	2.1
Total Fund Benchmark	0.4	0.2	0.8	0.4	0.5	0.2	0.8
eV US Short Duration Fixed Inc Net Rank	22	60	86	39	64	99	46
Externally Managed Accounts	-0.1	-0.1	2.7	1.8	1.8	0.3	4.2
ICE BofAML 1-5 Yrs AAA-A US Corp & Govt TR	-0.4	-0.2	2.6	1.4	1.6	0.4	2.4
eV US Short Duration Fixed Inc Net Rank	76	93	8	3	46	78	2
Hillswick Asset Mgmt	0.1	-0.4	3.0	2.2	1.4	-0.5	5.2
ICE BofAML 1-5 Yrs AAA-A US Corp & Govt TR	-0.4	-0.2	2.6	1.4	1.6	0.4	2.4
eV US Short Duration Fixed Inc Net Rank	49	98	1	1	60	99	1
Reams Asset Mgmt	-0.3	0.2	2.3	1.4	2.2	1.1	3.3
ICE BofAML 1-5 Yrs AAA-A US Corp & Govt TR	-0.4	-0.2	2.6	1.4	1.6	0.4	2.4
eV US Short Duration Fixed Inc Net Rank	92	76	21	5	39	33	10
Short Term - Portfolio	0.9	0.9	0.6	0.6	1.2	-0.4	0.9
ICE BofAML 91 Days T-Bills TR	0.9	0.5	0.2	0.0	0.1	0.1	0.1
eV US Cash Management Net Rank	35	19	27	1	1	99	1

Growth of <u>a</u> \$1

Met Water District of SoCal

Total Fund Benchmark

Year

2015

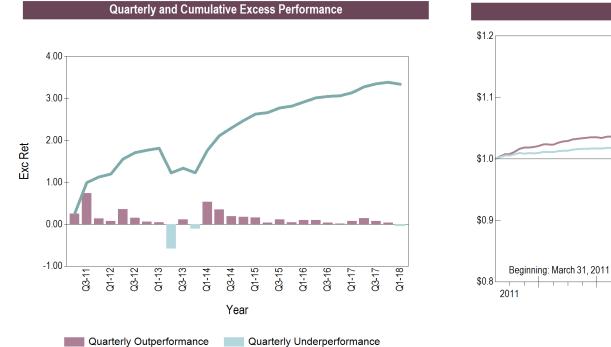
2013

## Total Fund

\$1.07

\$1.04

As of March 31, 2018



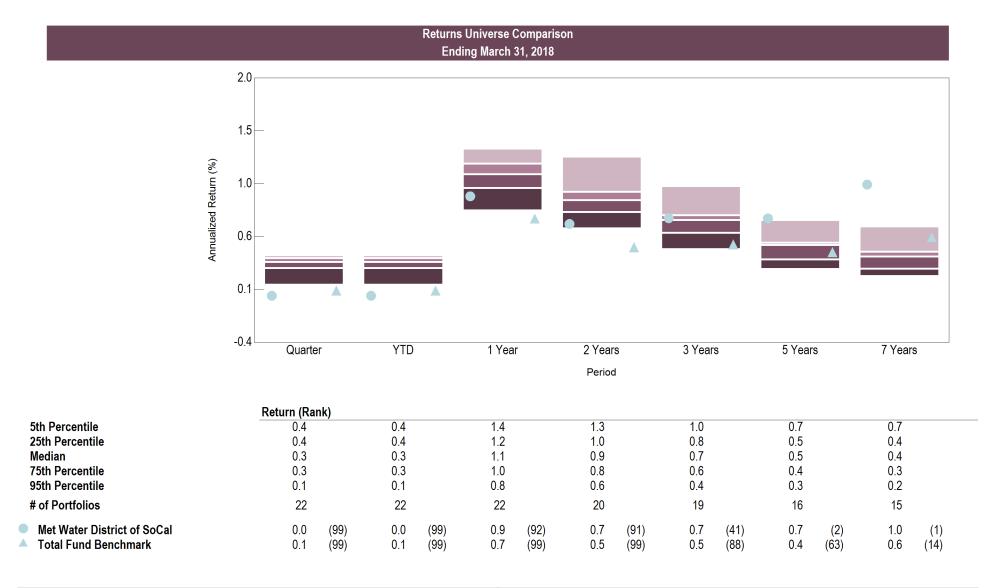
rformance	Quarterly Underperformance	

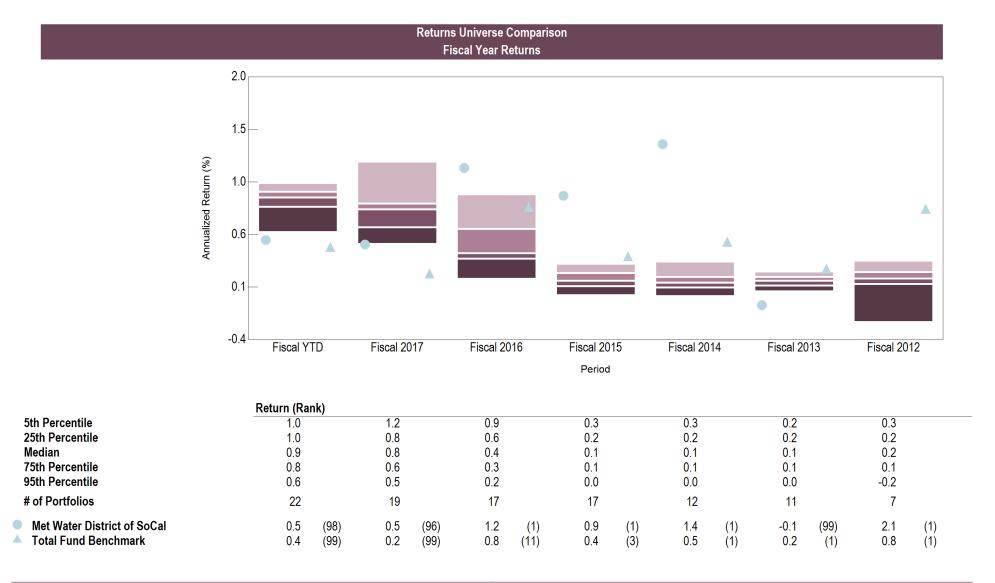
				Statistics Su	ummary					
			15 Years 1	1 Months End	ling March 31, 201	8				
	Total Return	Anlzd Return	Ann Excess BM Return	Anlzd Standard Deviation	Anlzd Alpha J	Beta	Sharpe Ratio	R-Squared	Up Mkt Capture Ratio Anlzd	Down Mkt Capture Ratio Anlzd
Met Water District of SoCal	45.41%	2.38%	0.56%	1.01%	0.50%	1.10	1.16	0.76	126.80%	103.29%
Total Fund Benchmark	33.27%	1.82%	0.00%	0.80%	0.00%	1.00	0.76	1.00	100.00%	100.00%

2017





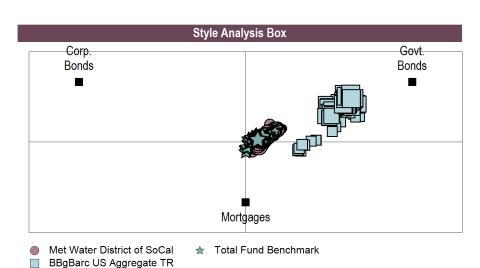


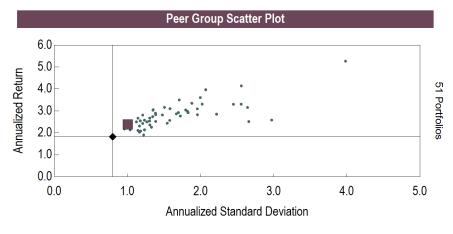


As of March 31, 2018

	Met Water District of SoCal	Total Fund Benchmark
RETURN SUMMARY STATISTICS		
Number of Periods	191	19′
Maximum Return	1.17	0.84
Minimum Return	-0.77	-0.68
Annualized Return	2.38	1.82
Total Return	45.41	33.27
Annualized Excess Return Over Risk Free	1.17	0.61
Annualized Excess Return	0.56	0.00
RISK SUMMARY STATISTICS		
Beta	1.10	1.00
Upside Deviation	0.79	0.66
Downside Deviation	0.70	0.45
RISK/RETURN SUMMARY STATISTICS	i	
Annualized Standard Deviation	1.01	0.80
Alpha	0.03	0.00
Sharpe Ratio	1.16	0.76
Excess Return Over Market / Risk	0.56	0.00
Tracking Error	0.50	0.00
Information Ratio	1.12	-
CORRELATION STATISTICS		
R-Squared	0.76	1.00
Correlation	0.87	1.00

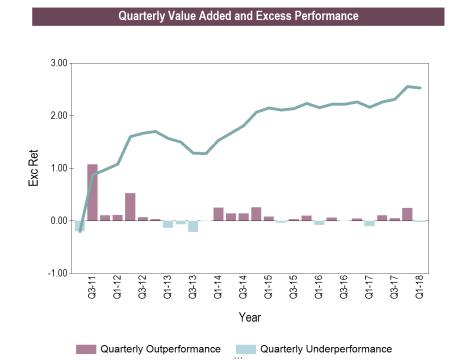
Market Proxy: Total Fund Benchmark Risk-Free Proxy: 91 Day T-Bills

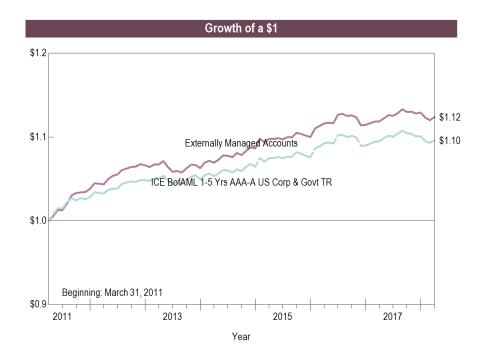




Met Water District of SoCal

- Total Fund Benchmark
- eV US Short Duration Fixed Inc Net

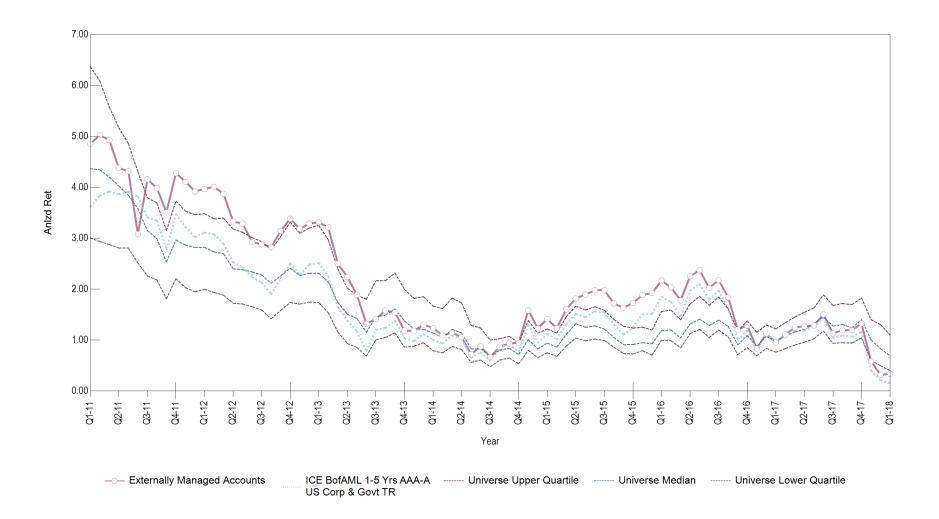


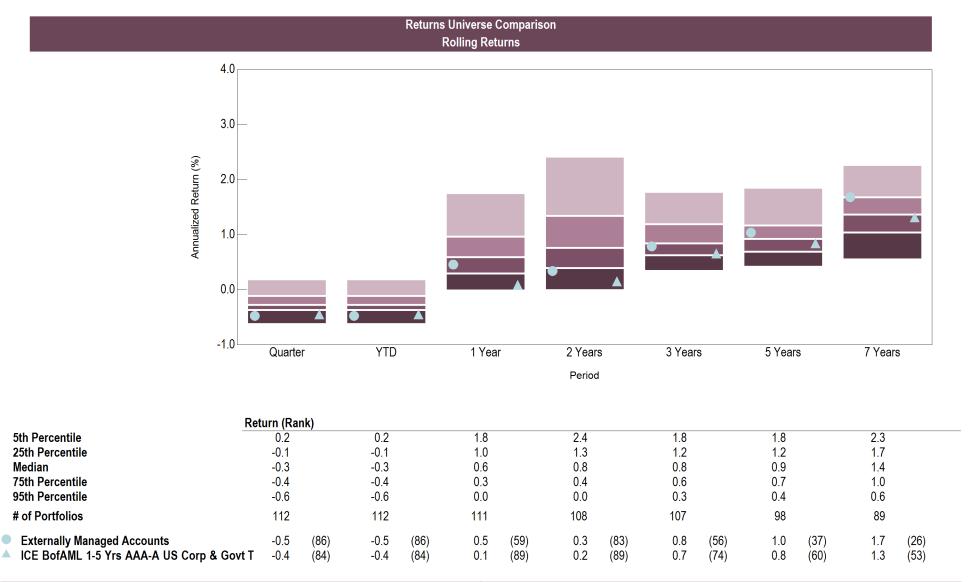


				Statistics Su	ummary					
				Since Ince	ption					
	Total Return	Anlzd Return	Ann Excess BM Return	Anlzd Standard Deviation	Anlzd Alpha J	Beta	Sharpe Ratio	R-Squared	Up Mkt Capture Ratio Anlzd	Down Mkt Capture Ratio Anlzd
Externally Managed Accounts	67.47%	3.29%	0.41%	2.13%	0.47%	0.96	0.98	0.74	103.66%	80.61%
ICE BofAML 1-5 Yrs AAA-A US Corp & Govt TR	57.24%	2.88%	0.00%	1.91%	0.00%	1.00	0.88	1.00	100.00%	100.00%

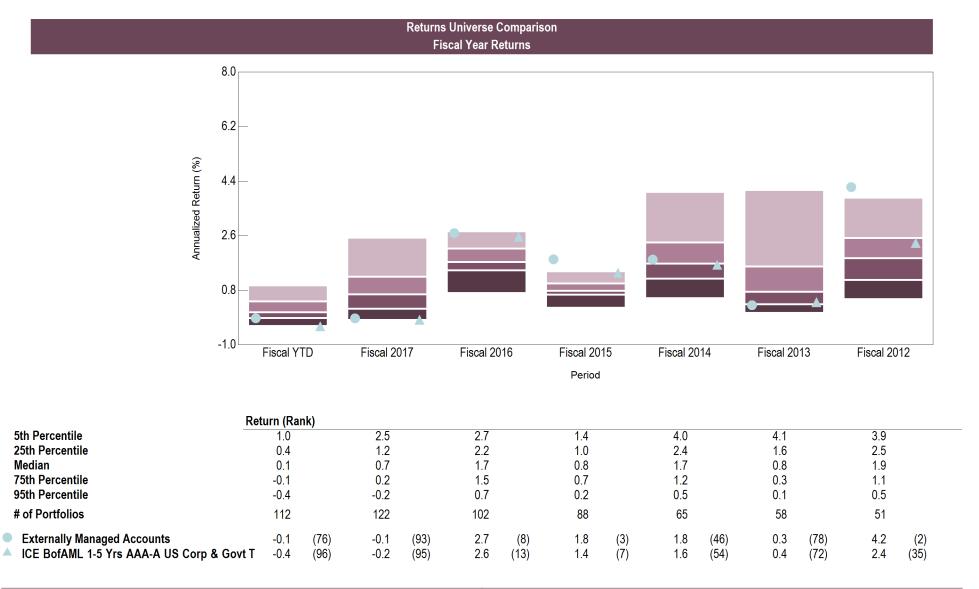
As of March 31, 2018

#### Rolling 3 Year Annualized Return vs. eV US Short Duration Fixed Inc Net





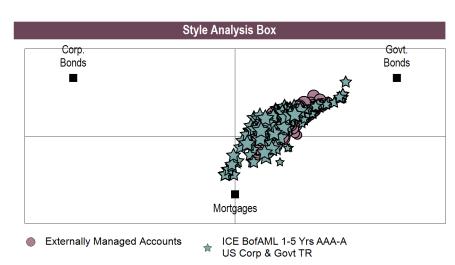


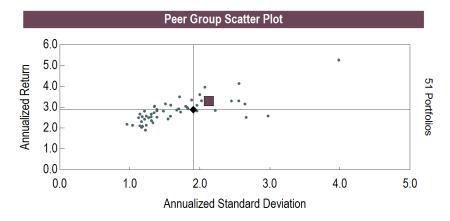


As of March 31, 2018

	Externally Managed Accounts	ICE BofAML 1-5 Yrs AAA-A US Corp & Govt TR
RETURN SUMMARY STATISTICS		
Number of Periods	191	191
Maximum Return	3.39	2.05
Minimum Return	-1.78	-1.57
Annualized Return	3.29	2.88
Total Return	67.47	57.24
Annualized Excess Return Over Risk Free	2.08	1.67
Annualized Excess Return	0.41	0.00
RISK SUMMARY STATISTICS		
Beta	0.96	1.00
Upside Deviation	1.71	1.44
Downside Deviation	1.27	1.11
RISK/RETURN SUMMARY STATISTICS		
Annualized Standard Deviation	2.13	1.91
Alpha	0.04	0.00
Sharpe Ratio	0.98	0.88
Excess Return Over Market / Risk	0.19	0.00
Tracking Error	1.08	0.00
Information Ratio	0.38	
CORRELATION STATISTICS		
R-Squared	0.74	1.00
Correlation	0.86	1.00

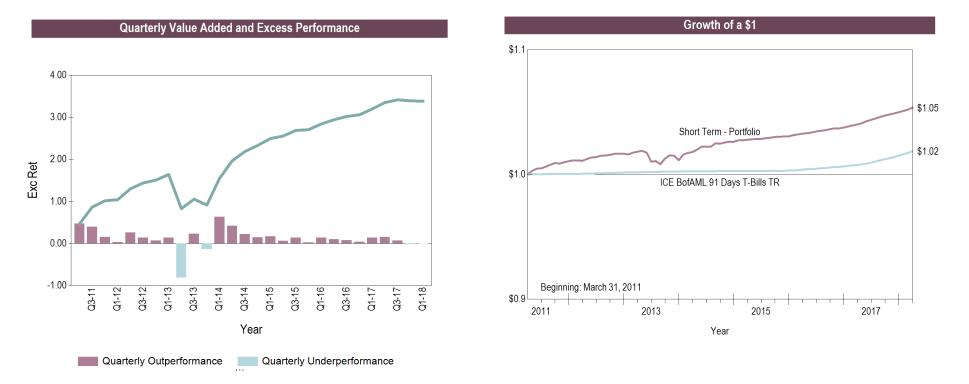
Market Proxy: ICE BofAML 1-5 Yrs AAA-A US Corp & Govt TR Risk-Free Proxy: 91 Day T-Bills



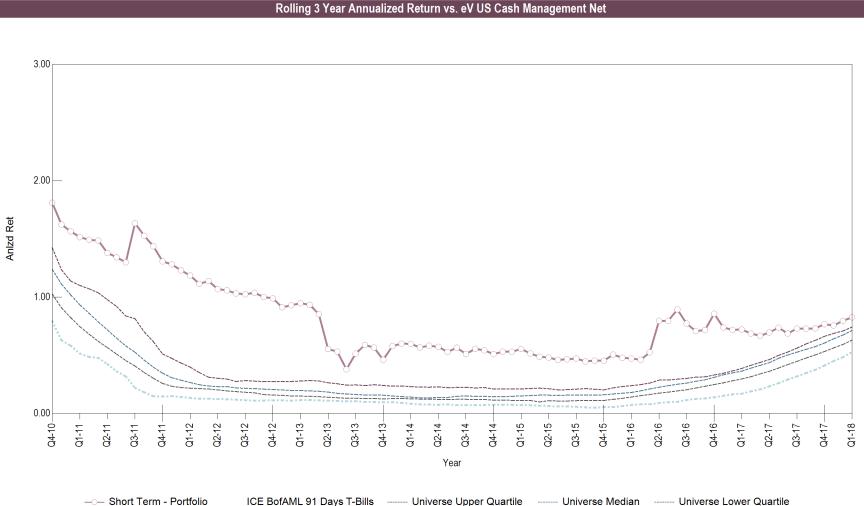


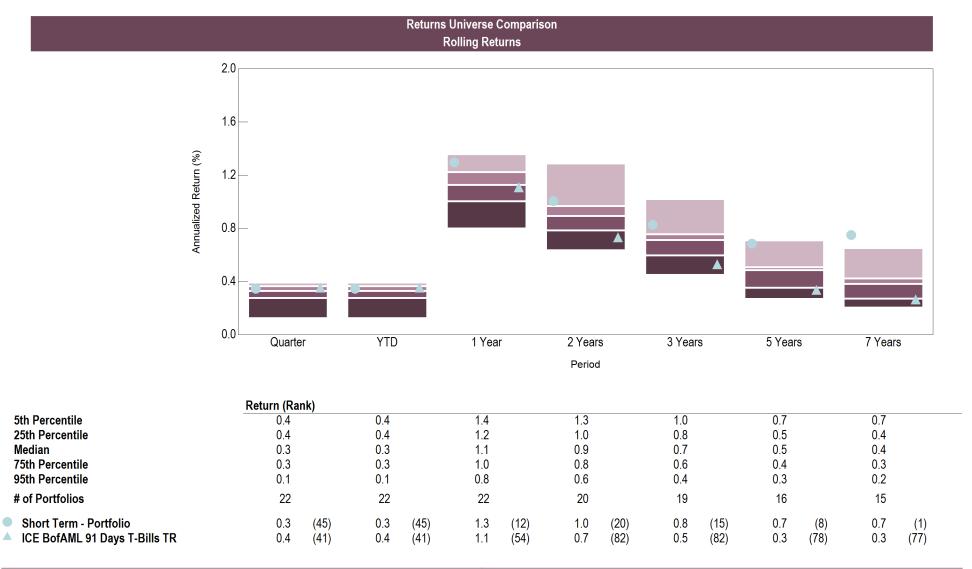
Externally Managed Accounts

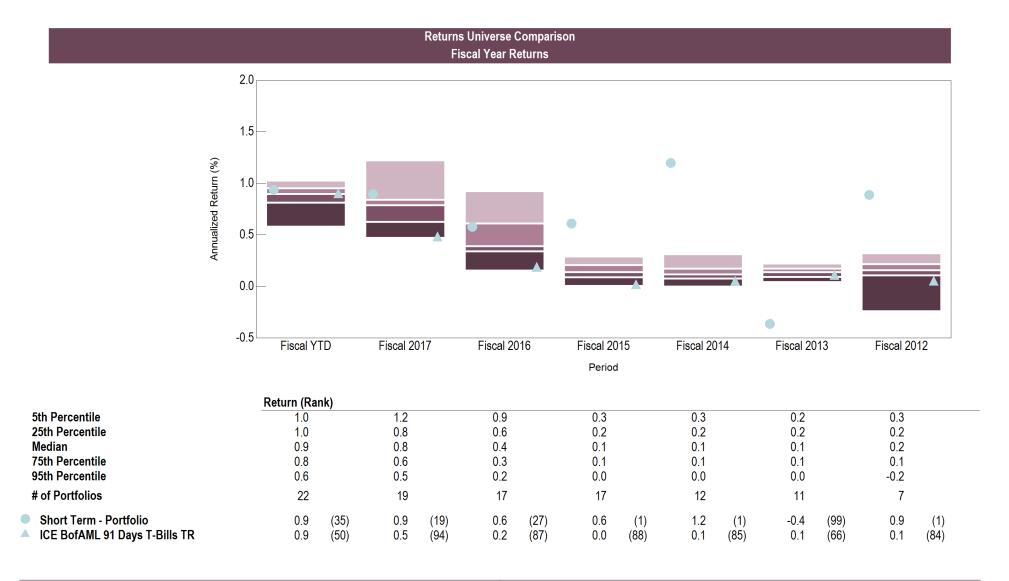
- ICE BofAML 1-5 Yrs AAA-A US Corp & Govt TR
- eV US Short Duration Fixed Inc Net



			Statis	stics Summary					
			Sir	nce Inception					
	Total Return	Anlzd Return	Ann Excess BM Return	Anlzd Standard Deviation	Anlzd Alpha J	Beta	Sharpe Ratio	Up Mkt Capture Ratio Anlzd	Down Mkt Capture Ratio Anlzd
Short Term - Portfolio	33.77%	1.84%	0.54%	0.64%	0.56%	0.87	0.99	136.87%	-2,249.23%
ICE BofAML 91 Days T-Bills TR	22.82%	1.30%	0.00%	0.48%	0.00%	1.00	0.18	100.00%	100.00%







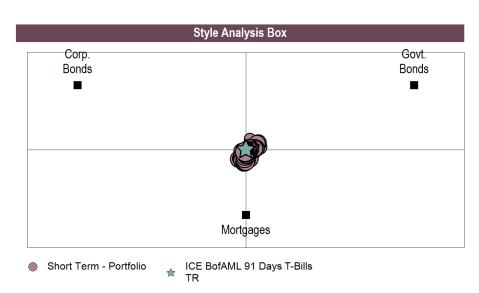


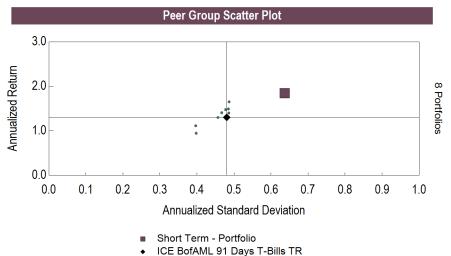
## Short Term - Portfolio

As of March 31, 2018

	Short Term - Portfolio	ICE BofAML 91 Days T-Bills TR
RETURN SUMMARY STATISTICS		
Number of Periods	191	191
Maximum Return	0.64	0.56
Minimum Return	-0.86	-0.01
Annualized Return	1.84	1.30
Total Return	33.77	22.82
Annualized Excess Return Over Risk Free	0.63	0.09
Annualized Excess Return	0.54	0.00
RISK SUMMARY STATISTICS		
Beta	0.87	1.00
Upside Deviation	0.50	0.48
Downside Deviation	0.91	0.01
RISK/RETURN SUMMARY STATISTICS		
Annualized Standard Deviation	0.64	0.48
Alpha	0.06	0.00
Sharpe Ratio	0.99	0.18
Excess Return Over Market / Risk	0.86	0.00
Tracking Error	0.48	0.00
Information Ratio	1.13	
CORRELATION STATISTICS		
R-Squared	0.43	1.00
Correlation	0.66	1.00

Market Proxy: ICE BofAML 91 Days T-Bills TR Risk-Free Proxy: 91 Day T-Bills





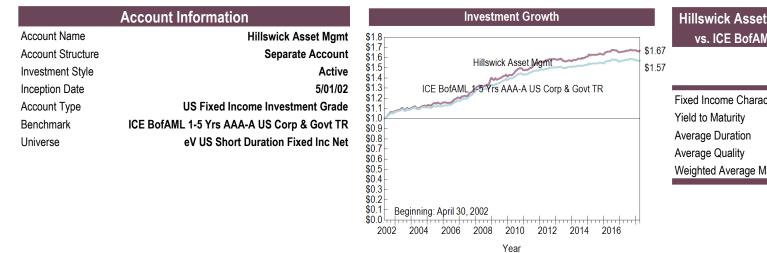
ICE BOIANL 91 Days 1-Bills TR
eV US Cash Management Net

# M

Prepared by Meketa Investment Group

## Hillswick Asset Mgmt

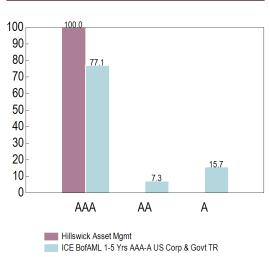
As of March 31, 2018



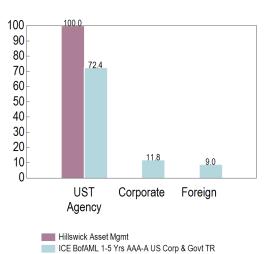
acteristics
Govt TR
o Index
8 Q1-18
2 2.4
9 2.6
A AAA
4 2.8

Portfolio Performance Summary										
	QTD (%)	Fiscal YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inceptio n (%)	Inceptio n Date		
Hillswick Asset Mgmt	-0.3	0.1	0.6	0.8	1.1	2.3	3.3	May-02		
ICE BofAML 1-5 Yrs AAA-A US Corp & Govt TR	-0.4	-0.4	0.1	0.7	0.8	1.9	2.9	May-02		

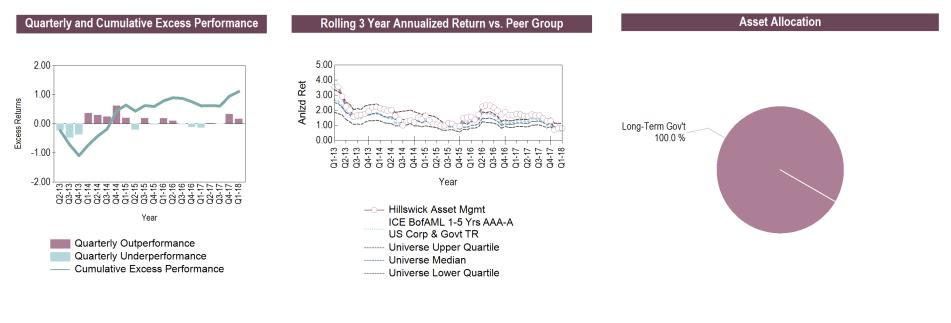
Credit Quality Allocation

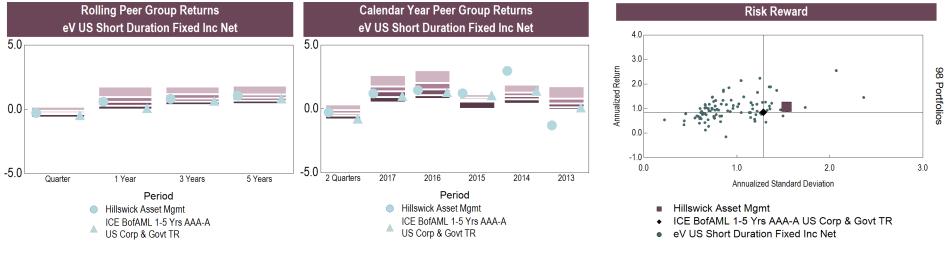


**US Sector Allocation** 



## Hillswick Asset Mgmt





## **Reams Asset Mgmt**

2.8

2.6

AA

2.8

As of March 31, 2018

Index

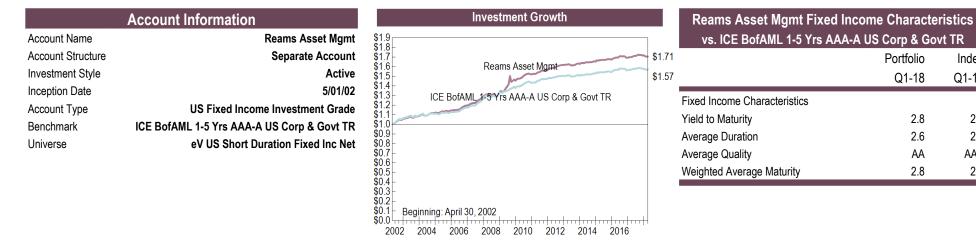
Q1-18

2.4

2.6

2.8

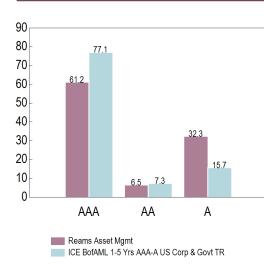
AAA



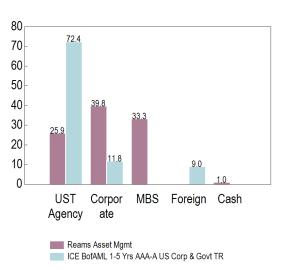
Year

Portfolio Performance Summary										
	QTD (%)	Fiscal YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inceptio n (%) n Date			
Reams Asset Mgmt ICE BofAML 1-5 Yrs AAA-A US Corp &	-0.7	-0.3	0.3	0.8	1.0	2.7	3.4 May-02			
Govt TR	-0.4	-0.4	0.1	0.7	0.8	1.9	2.9 May-02			

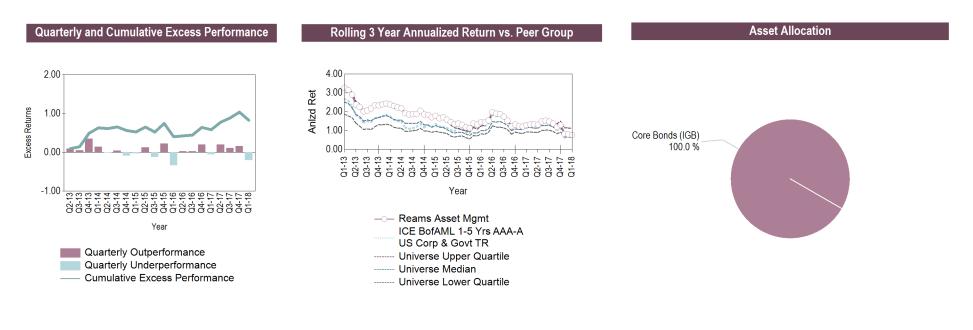
**Credit Quality Allocation** 

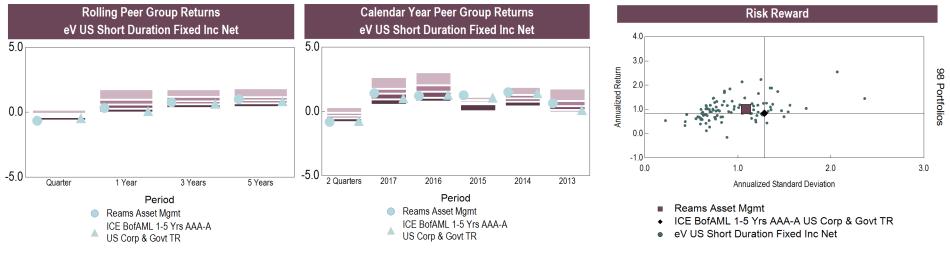


**US Sector Allocation** 



## Reams Asset Mgmt





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